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BULLETIN

OF THE

AMERICAN PHYSICAL SOCIETY

FOUNDED 1899

CONSTITUTION AND BY-LAWS
ARTICLES OF INCORPORATION
AND
MEMBERSHIP LIST

FEBRUARY, 1937

PUBLISHED BY THE AMERICAN PHYSICAL SOCIETY
SEVEN ISSUES EACH YEAR

Constitution and By-Laws
Articles of Incorporation
and
Membership List
of the
American Physical Society
February, 1937

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BULLETIN

of the

AMERICAN PHYSICAL SOCIETY

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The American Physical Society

FOUNDED 1899

OFFICERS OF THE SOCIETY FOR 1937

President

H. M. RANDALL, University of Michigan, Ann Arbor, Mich.

Vice-President

LYMAN J. BRIGGS, National Bureau of Standards, Washington, D. C.

Secretary

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Treasurer

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Editor

JOHN T. TATE, University of Minnesota, Minneapolis, Minn.

Local Secretary for the Pacific Coast

PAUL KIRKPATRICK, Stanford University, Stanford University, Calif.

COUNCIL

"The President, Vice-President, Secretary, Treasurer, Managing Editor, the three Past-Presidents most recently retired from office, eight elected members and all Past-Presidents first elected to the office of President prior to December 1932 constitute the Council which shall have general charge of the affairs of the Society."

Past-Presidents

E. L. NICHOLS
HENRY CREW
W. F. MAGIE
ERNEST MERRITT
R. A. MILLIKAN
J. S. AMES
THEODORE LYMAN
D. C. MILLER
K. T. COMPTON
H. G. GALE
W. F. G. SWANN
A. H. COMPTON
R. W. WOOD
F. K. RICHTMYER

Elected Members

E. O. LAWRENCE
H. A. ERIKSON
G. BREIT
K. K. DARROW
J. W. BEAMS
E. C. CRITTENDEN
M. J. KELLY
J. C. SLATER

PAST AND PRESENT OFFICERS OF

THE AMERICAN PHYSICAL SOCIETY

PRESIDENT

†Deceased

†Henry A. Rowland 1899–1900
†Albert A. Michelson 1901–1902
†Arthur G. Webster 1903–1904
†Carl Barus 1905–1906
Edward L. Nichols 1907–1908
Henry Crew 1909–1910
W. F. Magie 1911–1912
†B. O. Peirce 1913
Ernest Merritt 1914–1915
R. A. Millikan 1916–1917
†H. A. Bumstead 1918
J. S. Ames 1919–1920
Theodore Lyman 1921–1922
†C. E. Mendenhall 1923–1924
Dayton C. Miller 1925–1926
Karl T. Compton 1927–1928
Henry G. Gale 1929–1930
W. F. G. Swann 1931–1932
P. D. Foote 1933
Arthur H. Compton 1934
R. W. Wood 1935
F. K. Richtmyer 1936
H. M. Randall 1937

VICE-PRESIDENT

†Albert A. Michelson 1899–1900
†Arthur G. Webster 1901–1902
Elihu Thomson 1903–1904
†D. B. Brace 1905
E. L. Nichols 1906
Henry Crew 1907–1908
W. F. Magie 1909–1910
†B. O. Peirce 1911–1912
Ernest Merritt 1913
†K. E. Guthe 1914–1915
†H. A. Bumstead 1916–1917
J. S. Ames 1918
†W. C. Sabine 1919
Theodore Lyman 1919–1920
†C. E. Mendenhall 1921–1922
Dayton C. Miller 1923–1924
K. T. Compton 1925–1926
Henry G. Gale 1927–1928
W. F. G. Swann 1929–1930
P. D. Foote 1931–1932
A. H. Compton 1933
R. W. Wood 1934
F. K. Richtmyer 1935
H. M. Randall 1936
L. J. Briggs 1937

SECRETARY

Ernest Merritt 1899–1912
†A. D. Cole 1913–1917
Dayton C. Miller 1918–1922
Harold W. Webb 1923–1928
W. L. Severinghaus 1929–

TREASURER

†William Hallock 1899–1907
J. S. Ames 1907–1917
G. B. Pegram 1918–

ELECTED MEMBERS OF THE COUNCIL

†H. S. Carhart, †M. I. Pupin 1899–1900
W. F. Magie 1899–1901, 1902–1906
†A. G. Webster 1899–1901, 1905–1908
†C. S. Hastings 1899–1902
J. S. Ames 1899–1903, 1905–1908
E. L. Nichols 1899–1903
†A. L. Kimball 1901–1902
H. Crew, †E. B. Rosa 1901–1904
†C. Barus, †D. B. Brace 1902–1904
E. H. Hall, †B. O. Peirce 1903–1906
†W. S. Franklin, E. Rutherford 1904–1907
†E. P. Lewis, †F. E. Nipher 1905
R. A. Millikan, †A. Trowbridge 1906–1909
†H. A. Bumstead, †C. E. Mendenhall 1907–1910
†W. C. Sabine, †S. W. Stratton 1908–1911

†J. C. McLennan, †E. F. Nichols 1909–1912
†K. E. Guthe, C. A. Skinner 1910–1913
R. A. Millikan, J. Zeleny 1911–1914
†H. A. Bumstead, T. Lyman 1912–1915
H. T. Barnes, W. J. Humphreys 1913–1916
†G. K. Burgess, D. C. Miller 1914–1917
†C. E. Mendenhall, G. W. Stewart 1915–1918
I. Langmuir 1916–1919
G. B. Pegram 1916–1918
†G. O. Squier, H. A. Wilson 1917–1920
A. L. Day, G. F. Hull 1918–1921
Max Mason 1919
†G. K. Burgess, †J. C. McLennan 1919–1922
F. B. Jewett, Max Mason 1920–1923
K. T. Compton, H. M. Randall 1921–1924
H. G. Gale, D. L. Webster 1922–1925
F. C. Brown, A. L. Hughes 1923–1926
A. S. Eve, A. W. Hull 1924–1927
F. C. Blake, W. F. G. Swann 1925–1928
A. H. Compton 1926–1929
†E. P. Lewis 1926
Raymond T. Birge 1927–1929
Paul D. Foote, G. W. Stewart 1927–1930
L. J. Briggs, H. L. Bronson 1928–1931
H. E. Ives, A. L. Loomis 1929–1932
L. W. McKeehan, D. L. Webster 1930–1933
W. D. Coolidge, F. W. Loomis 1931–1934
F. L. Mohler, J. H. Van Vleck 1932–1935
L. O. Grondahl, E. C. Kemble 1933–1936
E. O. Lawrence 1934–1937
F. K. Richtmyer 1934–1936
G. Breit, K. K. Darrow 1935–1938
H. L. Dodge 1936
J. W. Beams, E. C. Crittenden 1936–1939
H. A. Erikson 1937
M. J. Kelly, J. C. Slater 1937–1940

MANAGING EDITOR

Frederick Bedell 1913–1922
G. S. Fulcher 1923–1925
John T. Tate 1926–

BOARD OF EDITORS

J. S. Ames, †B. O. Peirce, John Zeleny 1913
†K. E. Guthe, W. F. Magie, C. A. Skinner 1913–1914
†J. C. McLennan, R. A. Millikan, †E. F. Nichols 1913–1915
†H. A. Bumstead, †C. E. Mendenhall, †A. G. Webster 1914–1916
J. S. Ames, Edgar Buckingham, †A. A. Michelson 1915–1917
†E. P. Lewis, †W. C. Sabine, †A. Trowbridge 1916–1918
N. E. Dorsey, †Wm. Duane, O. M. Stewart 1917–1919
†G. K. Burgess, †A. D. Cole, A. C. Lunn 1918–1920
Henry Crew, L. V. King, H. S. Uhler 1919–1921
E. L. Nichols, C. M. Sparrow, W. F. G. Swann 1920–1922
G. S. Fulcher 1921–1922
F. A. Saunders, O. M. Stewart 1921–1923
E. P. Adams, A. J. Dempster, A. L. Hughes 1922–1924
A. H. Compton, E. H. Kennard, Leigh Page 1923–1925
H. D. Babcock, W. G. Cady 1924–1926
John T. Tate 1924–1925

K. K. Darrow, E. C. Kemble, F. L. Mohler 1925–1927
J. A. Gray, G. E. M. Jauncey, J. H. Van Vleck 1926–1928
L. W. McKeehan 1926
G. Breit, P. W. Bridgman, L. W. McKeehan 1927–1929
R. S. Mulliken, H. D. Smyth, I. S. Bowen 1928–1930
E. U. Condon, C. J. Davisson, F. K. Richtmyer 1929–1931
F. W. Loomis, K. F. Herzfeld, A. W. Hull 1930–1932
A. J. Dempster, D. M. Dennison, J. C. Slater 1931–1933
R. C. Gibbs, E. O. Lawrence, J. H. Van Vleck 1932–1934
K. K. Darrow, J. C. Hubbard, A. E. Ruark 1933–1935
Alexander Ellett, L. A. Turner 1934–1936
G. E. Uhlenbeck 1934–1935
H. B. Wahlin 1936
W. V. Houston, R. S. Mulliken, I. I. Rabi 1935–1937
H. A. Bethe, L. A. DuBridge, M. A. Tuve 1936–1938
K. T. Bainbridge, H. P. Robertson, H. B. Wahlin 1937–1939

CONSTITUTION

ARTICLE I—Name

This Society shall be called the American Physical Society.

ARTICLE II—Object

The object of the Society shall be the advancement and diffusion of the knowledge of physics.

ARTICLE III—Fellowship and Membership

1. The membership of the Society shall consist of fellows, members, and honorary members.

2. There shall be elected to fellowship only such persons as have contributed to the advancement of physics by independent, original research, or who have rendered some other special service to the cause of the science which is considered equivalent to such investigations. The fulfilment of these qualifications shall be determined by an examination of the published works of the candidate.

3. There may be elected to membership persons of any of the following classes: (a) graduate students specializing in physics; (b) teachers of physics in colleges and secondary schools who have not yet completed investigations which warrant election to fellowship; (c) other physicists whose work of investigation is not sufficient for qualifications as fellows; (d) persons engaged in lines of work related to physics, such as mathematics, astronomy, etc.; (e) persons who are not professionally engaged either in physics or related lines, but whose interest and activity in the science would make them desirable members. Members have all the privileges of fellows except that they may not vote or hold office.

4. Honorary members shall be persons of acknowledged preeminence in the science of physics. American physicists shall not be eligible to honorary membership. Honorary members shall have all the privileges of fellows, except that they may not vote or hold office; they shall be exempt from all dues and assessments.

ARTICLE IV—Election of Fellows and Members

1. For the election of a new fellow or member of the Society, or for the transfer of a member to fellowship, a nomination in due form, signed by two fellows or members of the Society, shall be presented at a meeting of the Council and, at a meeting of the Council occurring at least two weeks later the person named in such nomination shall receive the favorable ballots of a majority of the Councilors present. The Council may, however, at its discretion make election to membership at the same meeting at which the nomination is presented.

2. A nomination for honorary membership shall be made by vote of the Council at a regular meeting of the Society, or by a petition in due form signed by not less than five members of the Council and submitted to the Secretary. A nomination so presented shall be submitted by the Secretary to letter ballot of all the members of the Council. For election to honorary membership the nominee shall receive the favorable votes of not less than three-fourths of the entire membership of the Council.

ARTICLE V—Officers

The officers of the Society shall be a President, a Vice-President, a Secretary, a Treasurer, and a Managing Editor.

ARTICLE VI—Council and Board of Editors

1. The President, Vice-President, Secretary, Treasurer, Managing Editor, the three Past-Presidents most recently retired from office, eight other members elected in the manner specified in Article VII, and all Past-Presidents first elected to the office of President prior to December 1932 shall constitute a Council which shall have general charge of the affairs of the Society.

2. The Managing Editor and such other elected and appointed members as the Council may from time to time designate shall constitute the Board of Editors, and shall have charge, as designated by the Council, of the several publications of the Society. Not fewer than ten members of the Board of Editors, including the Managing Editor, shall be elected in the manner specified in Article VII.

ARTICLE VII—Election of Officers

1. The officers of the Society and the elected members of the Council and of the Board of Editors shall be elected by ballot at the Annual Meeting of each year. At least eight weeks before the Annual Meeting the Secretary shall send to each fellow of the Society a request for nominations, specifying the offices which are to be filled. The name of every candidate nominated by not less than twenty fellows shall be printed on the official ballot. The ballots shall also contain the names of one or more candidates proposed by the Council for each office and blank spaces in which the voter may substitute other names. A copy of the official ballot shall be sent to each fellow not less than three weeks before the Annual Meeting. Such a ballot, if marked by a qualified voter to indicate his choice, and if returned to the Secretary in a sealed envelope bearing the name of the voter, shall be counted at the Annual Meeting. A ballot properly marked and endorsed by a qualified voter may be cast in person at the Annual Meeting. A majority of all votes cast in person or by letter ballot shall be necessary for election. In case of failure to secure a majority for any office, the fellows present at the Annual Meeting shall choose by ballot one of the two candidates having the highest number of votes for that office.

2. The term of office shall be one year for the President, Vice-President, Secretary, and Treasurer, four years for the elected members of the Council, and three years for the Managing Editor and the other elected members of the Board of Editors. Each official shall hold office until his successor is elected and has qualified.

3. No officer of the Society, except the Secretary, Treasurer, and Managing Editor, shall be eligible for reelection to the same office until at least one year after the completion of his term of office.

4. If an office for any reason becomes vacant, the vacancy shall be filled by the Council for the remainder of the term. If any elected member of the Council or of the Board of Editors vacate his position more than one year before the expiration of his term, the vacancy for the unexpired term shall be filled by the Society, by ballot, at the Annual Meeting.

ARTICLE VIII—Sections

1. Members and fellows residing in any locality may, with the approval of the Council, organize a local Section for the more active furtherance of the object of the Society as stated in Article II.

2. Any local Section of the Society may be dissolved at the discretion of the Council.

ARTICLE IX—Divisions

1. The Council may, upon petition by members of the Society, form a Division within the Society charged with the advancement and diffusion of the knowledge of a specified subject or subjects in physics.

2. Each Division shall elect an Executive Committee the Chairman of which shall report its activities and needs to the Council.

3. Any Division may be dissolved at the discretion of the Council.

ARTICLE X—Amendments

No part of this Constitution shall be amended or annulled except by a vote taken at an Annual Meeting of the Society in the following manner: Any proposed amendment to this Constitution, accompanied by a proper ballot form, shall be submitted to all fellows of the Society at least three weeks in advance of the meeting at which such amendment is to be considered. Every ballot marked by a qualified voter to indicate his vote and returned to the Secretary in a sealed envelope bearing the name of the voter shall be counted at the meeting. A ballot properly marked and endorsed by a qualified voter may be cast in person at the Annual Meeting. The adoption of the proposed amendment shall require the affirmative votes of not less than two-thirds of the fellows voting in person at the meeting together with those voting by letter ballot.

BY-LAWS

ARTICLE I—Dues

1. The annual dues of fellows shall be fourteen dollars and of members ten dollars, payable on the 1st of January.

2. The membership of each new fellow or member shall date from the January 1st nearest to the time of his election and he shall be entitled to receive periodicals from that date, as provided in Article VI.

3. If the dues of any fellow or member remain unpaid beyond a reasonable time, the Council, after due notice, shall remove his name from the membership list.

4. The Council shall, however, have power, by a special vote in each case, to honor a member or fellow by placing him on a retired list with no dues, provided such member or fellow is not less than sixty-five years of age, and has retired from active service in his professorial or other corresponding position. A member or fellow going on the retired list will waive the right to receive the journals from the Society.

ARTICLE II—Meetings

At least four regular meetings shall be held each year, at such times and places as shall be ordered by the Council. One of these, to be called the Annual Meeting, shall be held on a day to be determined by the Council, between the 26th and 31st of December, inclusive. Notices of the time and place of each meeting shall be sent by the Secretary to all fellows and members of the Society.

ARTICLE III—Meetings of the Council

1. There shall be a meeting of the Council at the time and place of each regular meeting of the Society.

2. The president shall convoke the Council in special meeting whenever the affairs of the Society require it.

3. A request in writing from five members of the Council shall render the convocation of the Council obligatory.

ARTICLE IV—Presidential Address

It shall be the duty of the President to deliver an address before the Society at the Annual Meeting next succeeding his first election as President of the Society.

ARTICLE V—Papers

1. Only those titles of papers shall be listed on the preliminary program of a meeting of the Society for which abstracts for publication are in the hands of the Secretary.

2. A separate program shall be announced for each session, due allowance being made for discussion. Each session shall begin with the papers announced for that session, even when the program of the preceding session has not been completed.

3. When two or more papers are offered by the same fellow or member, one only of these will be assigned a place on the regular program, while the others will be placed in a supplementary program, to be called for if time permits.

4. No papers may be accepted for presentation at any meeting of the Society subsequent to the closing date stated in the printed call for that meeting.

5. Except by special vote of the Society, the maximum allowance of time for the presentation of a paper shall be ten minutes. The presiding officer shall enforce this rule.

ARTICLE VI—Journals

1. Each fellow or member of the Society who has paid his dues in full, shall receive *The Physical Review* published by the Society, and *Science Abstracts, Section-A Physics*, except that a member or fellow not residing in the United

States, Canada, or Mexico, shall be entitled to receive *The Physical Review* only after payment in addition to dues of an amount to be fixed by the Managing Editor. (See also note below.)

2. *The Physical Review* shall not be sent to newly elected fellows or members until the Managing Editor shall have received notice from the Treasurer that the dues have been paid in full.

ARTICLE VII—COMMITTEES

The terms of office of all committees appointed by vote of the Council or of the Society, shall end on the January 1st next following the appointment, except upon special action of the Council continuing a committee.

ARTICLE VIII—AMENDMENTS

These By-Laws may be amended or suspended only upon recommendation of the Council, and by a two-thirds vote of the fellows present at a meeting of the Society.

(Note: By action of the Council on request addressed to the Treasurer, *Reviews of Modern Physics*, or *Journal of Applied Physics* or *Review of Scientific Instruments* may be substituted for *The Physical Review*, and *Science Abstracts "B"* may be substituted for *Science Abstracts "A."* Until further notice the Managing Editor has set $1.50 as the payment in addition to dues to be made by a member (not a fellow) not residing in the United States, Canada, or Mexico.)

ARTICLES OF INCORPORATION

Incorporated in the District of Columbia

DISTRICT OF COLUMBIA,

KNOW ALL MEN BY THESE PRESENTS, that we, all citizens of the United States, whose names are hereto undersigned, a majority of whom are residents of the District of Columbia, being desirous to form a society and body corporate under the laws of the said District, and in particular under sub-chapter 111 of Chapter XVIII of the Code of Law in force in the said District, do hereby declare and certify as follows, that is to say:

First. The name of the Society hereby formed shall be The American Physical Society.

Second. The term of existence of the said Society shall be perpetual.

Third. The said Society shall have no capital stock.

Fourth. The object and purpose of the said Society is, and shall be, to promote the advancement and diffusion of the knowledge of physics, to publish a periodical and other publications for that purpose, and to do such other things as may be conducive to the said purpose.

Fifth. The business affairs and concerns of the said Society shall be, during the first year of the existence, managed and directed by a board of trustees to be called the council, and consisting of twelve persons, the first members of which council, who shall act as such until the membership may be changed by an election held in accordance with the constitution and by-laws of the Society, shall be:

Ernest Merritt, Ithaca, New York;
Karl E. Guthe, Ann Arbor, Michigan;
Alfred D. Cole, Columbus, Ohio;
Joseph S. Ames, Baltimore, Maryland;
Robert A. Millikan, Chicago, Illinois;
John Zeleny, Minneapolis, Minnesota;
Henry A. Bumstead, New Haven, Connecticut;
Theodore Lyman, Cambridge, Massachusetts;
Howard T. Barnes, Montreal, Canada;
William J. Humphreys, Washington, D. C.;
Dayton C. Miller, Cleveland, Ohio;
George K. Burgess, Washington, D. C.

The said Society reserves the right and power to amend, alter, replace, and to add to any and all of the provisions contained in this certification in such manner and to such extent as may be authorized by law.

In witness whereof, we have affixed our signatures and our seals this the fourth day of November in the year 1914.

ARTHUR L. DAY (SEAL)
W. J. HUMPHREYS (SEAL)
S. W. STRATTON (SEAL)
GEORGE K. BURGESS (SEAL)

DISTRICT OF COLUMBIA,
CITY OF WASHINGTON.

I, Henry D. Hubbard, a Notary Public in and for the District of Columbia, do hereby certify that George K. Burgess of Washington in the District of Columbia, Arthur L. Day, of the same city, William J. Humphreys of the same city, and Samuel W. Stratton of the same city, being parties to the aforegoing certificate of incorporation of the American Physical Society whose signatures and seals are thereto affixed, which certificate bears date on the fourth day of November in the year 1914, did personally appear before me in the City of Washington in the District aforesaid, the said persons being personally known to me as the persons who signed and sealed the said certificate, and did severally acknowledge the said certificate to be their act and deed for the purposes stated and set forth therein.

Witness my hand and official seal set hereto on this fourth day of November in the year 1914.

HENRY D. HUBBARD,
(Notarial Seal) *Notary Public.*

OFFICE OF THE RECORDER OF DEEDS,
DISTRICT OF COLUMBIA.

This is to certify that the foregoing is a true and verified copy of the Articles of Incorporation, of the American Physical Society, and of the whole of said Articles of Incorporation, as filed in this office the 10th day of November, 1914, and recorded in Liber No. 31, folio 57, et seq., one of the Incorporation Records of the District of Columbia.

In testimony whereof, I have hereunto set my hand and affixed the seal of this office this 23rd day of December, A. D. 1914.

Deputy and Acting Recorder of Deeds, D. C.
R. W. DUTTON.

GROWTH IN NUMBER OF MEMBERS IN THE AMERICAN PHYSICAL SOCIETY

Year	*Honorary*	*Fellows*	*Members*	*Total*	*Year*	*Honorary*	*Fellows*	*Members*	*Total*
1899		59		59	1922	7	467	1044	1518
1900		96		96	1923	8	484	1120	1612
1901		100		100	1924	8	482	1169	1659
1902		144		144	1925	8	491	1261	1760
1905	2	255	25	282	1926	8	487	1358	1853
1907	5	287	142	434	1927	7	486	1427	1920
1909	5	295	195	495	1928	6	520	1637	2163
1912	6	316	303	625	1929	6	522	1844	2372
1913	6	340	336	682	1930	5	516	1963	2484
1915	7	365	289	661	1931	6	679	1882	2567
1917	7	370	491	868	1932	6	666	1916	2588
1918	7	395	533	935	1933	6	662	2005	2673
1919	7	452	687	1146	1934	6	662	2055	2723
1920	7	456	833	1296	1935	6	694	2146	2846
1921	7	461	925	1393	1936	6	730	2191	2927

MEMBERSHIP LIST

OF

THE AMERICAN PHYSICAL SOCIETY

FEBRUARY, 1937

PAST HONORARY MEMBERS

Arrhenius, Svante August
Lord Kelvin
Lorentz, Hendrik Antoon
Wiechert, Emil

PRESENT HONORARY MEMBERS

Bjerknes, Vilhelm Frimann Koren, Dr. Phil., LL.D., Emeritus Professor of Mechanics and Mathematical Physics at the *University of Oslo, Oslo, Norway.*

Bohr, Niels, Dr. Phil., Professor of Theoretical Physics, University of Copenhagen and Director of the Institute of Theoretical Physics, *Blegdamsveg 15, Copenhagen, Denmark.*

Bragg, Sir William (Henry), K.B.E., F.R.S., M.A., D.Sc., LL.D., Fullerian Professor of Chemistry and Director of the Davy-Faraday Research Laboratory, The Royal Institution, *21 Albemarle St., London, W. 1, England.*

Einstein, Albert, D.Sc., Ph.D., LL.D., Professor of Mathematical Physics, The Institute for Advanced Study, Princeton, N.J.

Planck, Max, Dr. Phil., D.Sc., Dr. Ing., Professor of Theoretical Physics, University of Berlin, Permanent Secretary of the Prussian Academy of Sciences, *Wangenheim Str. 21, Grünewald, Berlin, Germany.*

Rutherford, 1st Baron of Nelson, Ernest, Kt., O.M., F.R.S., M.A., D.Sc., Ph.D., Cavendish Professor of Experimental Physics, University of Cambridge, and Director of Cavendish Laboratory. *Newnham Cottage, Queen's Road, Cambridge, England.*

FELLOWS AND MEMBERS

Note: A name preceded by an asterisk (*) is that of a Fellow; all others are Members. Addresses are given as on record in the office of the Treasurer.

Abbitt, William H., Texas Technological College, Lubbock, Tex.
Abbot, Leonard H., 50 Whittemore Rd., Newton, Mass. (Harvard University.)
Abbott, Frank R., University of Washington, Seattle, Wash.
Abbott, Raymond B., 339 Sylvia St., West Lafayette, Ind. (Purdue University.)
Abernathy, Lewis, Fayette, Mo. (Central College.)
Abramson, H. A., 133 East 58th St., New York, N.Y. (Columbia University.)
Ackerman, D. E., International Nickel Co., Bayonne, N.J.
Ackley, Robert A., 5350 Kenmore Ave., Chicago, Ill. (Gaertner Scientific Corp.)
Adams, Arthur S., Box 85, Golden, Colo. (Colorado School of Mines.)
Adams, Clete, Quincy College, Quincy, Ill.
***Adams,** Comfort A., E. G. Buff Mfg. Co., Philadelphia, Pa. (Budd Co., Okonite Co., Okonite-Callender Co., Babcock & Wilcox Co.)
***Adams,** Edwin P., P.O. Box 91, Princeton, N.J. (Princeton University.)
***Adams,** Elliot Q., Lamp Development Laboratory, Nela Park, Cleveland, Ohio.
Adams, John M., University of California at Los Angeles, Los Angeles, Calif.
***Adams,** Leason H., Geophysical Laboratory, 2801 Upton St., Washington, D.C.
***Adams,** Norman I., Jr., Yale University, New Haven, Conn.
Adams, Robert J., University of Wisconsin, Madison, Wis.
Adkerson, Branch O., 32 Sixth Ave., New York, N.Y. (American Telephone & Telegraph Co.)
***Ahearn,** Arthur J., 463 West St., New York, N.Y. (Bell Telephone Laboratories, Inc.)
Akeley, Edward S., Princeton University, Princeton, N.J. (Purdue University.)
Albers, Vernon M., Antioch College, Yellow Springs, Ohio.
Albertson, Walter E., Massachusetts Institute of Technology, Cambridge A, Mass.
Albright, John G., Case School of Applied Science, Cleveland, Ohio.
Albright, Penrose S., 1511 East 4th, Winfield, Kans. (Southwestern College.)
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deBretteville, Alex, Jr.
Evans, Griffith C.
Giauque, William F.
Gibson, George E.
Hale, Donald H.
Hildebrand, Joel H.
Hurst, Donald G.
Jenkins, F. A.
Jeppesen, C. Rulon
Kurie, F. N. D.
Lawrence, Ernest O.
Lenzen, V. F.
Lewis, Gilbert N.
Livingood, J. J.
Loeb, Leonard B.
Lyman, Ernest M.
McMillan, Edwin M.
Minor, Ralph S.
Oppenheimer, J. R.
Paxton, Hugh C.
Richardson, J. Reginald
Rochester, George D.
Scott, James C.
Senger, John F.
Serber, Robert
Smith, Jesse W.
Thompson, Charles G.
VanVoorhis, S. N.
Walke, Harold
White, H. E.
Williams, William H.

Burlingame
Pomeroy, George A.

Claremont
Edmunds, Charles K.
Haupt, Curtis R.
Tileston, Roland R.

Emeryville
Beeck, Otto

Fresno
Burbridge, Harry C.
Piston, Donald S.

Glendale
Kuhn, J. G.

Glendora
Ellis, James H.

Hayward
Nelson, Clarence W.

Hollywood
Blackburn, John F.
Cartwright, C. Hawley
Hasler, Maurice F.
Maizlish, I.
Wenger, Emerson W.

La Canada
Benioff, Hugo

La Jolla
McEwen, George F.
Marshall, Lauriston C.

Lodi
Rinde, Charles A.

Los Angeles
Adams, John M.
Alter, Dinsmore
Bollman, Vernon L.
Clark, Loren T.
Delsasso, Leo P.
Dodd, L. E.
Edwards, Hiram W.
Ellis, Joseph W.
Frayne, John G.
Haskell, Norman A.
Hund, August
Kaplan, Joseph
Kinsey, E. Lee
Kirkpatrick, Harry A.

Los Angeles con't.
Klein, William S.
Knudsen, Vern O.
McCoy, Herbert N.
Nye, Arthur W.
Rieber, Frank
Sharpe, J. A.
Shedd, John C.
Trimble, Clinton E.
Warner, Arthur H.
Washburn, Harold W.
Wolcott, E. R.

Monterey Park
Broadwell, S. J.

Mount Hamilton
Moore, Joseph H.

Oakland
Kennedy, Roy J.

Palo Alto
Bol, C.
Sanford, Fernando

Pasadena
Anderson, Carl D.
Anderson, J. A.
Babcock, Harold D.
Badger, Richard M.
Barnett, Samuel J.
Bateman, H.
Becker, Robert A.
Bedell, Frederick
Bowen, Ira S.
Brice, Richard T.
Burt, R. C.
Cheo, Peh-ping
Chu, Djen-yuen
Dahm, Thomas M.
Dunham, Theodore, Jr.
Dunnington, Frank G.
Elsasser, Walter M.
Epstein, Paul S.
Goetz, A.
Gutenberg, Beno
Hale, George E.
Houston, William V.
King, Arthur S.
Klein, Arthur L.
Langer, R. M.
Langmuir, Robert V.
Lauritsen, C. C.
Lloyd, Paul E.
Mackeown, S. Stuart
Mason, Max
Merrill, Paul W.
Millikan, Robert A.
Neddermeyer, Seth H.
Neher, H. V.
Palmer, A. deF.
Pauling, Linus
Raitt, Russell W.
Smith, Sinclair
Smythe, William R.
Stephens, William E.
Strong, Foster
Strong, John D.
Sturdivant, James H.
Taylor, D. D.
Tolman, Richard C.
Townes, Charles H.
Watson, Earnest C.
Worrall, George H.
Yearian, Hubert J.
Zwicky, Fritz

Pleasanton
Bush, William E.

Redding
Dozier, Charles T.

Redlands
Marsh, Herbert E.

Reedley
Geer, Willard

Redwood City
Barnes, Robert B.
Foster, B. E.

Riverside
Coles, Donald K.

San Diego
Moe, C. R.

San Francisco
Camp, Glen D.
Finney, Gladys D.
Hoffman, Samuel O.
Mei, Alexis I.
Roop, H. D.

San Gabriel
Pennington, J. V.

San Marino
Anderson, Evald

Santa Barbara
Martin, Emmett V.

Stanford University
Bradbury, Norris E.
Brown, Joseph G.
Hansen, William W.
Kirkpatrick, Paul
Richtmyer, Robert D.
Rogers, Frederick J.
Ross, P. A.
Stoddard, K. B.
Tatel, Howard
Webster, D. L.

Stockton
Patten, Charles G.

Whittier
Cole, C. C.
Romer, Alfred

Yreka
Fowler, Allen

COLORADO—20

Boulder
Broxon, James W.
Germann, Frank E. E.
Haines, C. Lawrence
Hylan, Malcolm C.
Lester, O. C.
Long, Vivian A.
Lubovich, Vladimir P.
Lyon, Eric R.
Merideth, George T.
Pietenpol, William B.
Walz, Frank C.
Westerfield, E. C.

Colorado Springs
Drea, William F.

Denver
Cohn, Byron E.
Hyslop, William H.
Nyswander, R. E.
Stearns, J. C.

Fort Collins
Koontz, Philip G.
Person, Fred G.

Golden
Adams, Arthur S.

CONNECTICUT—58

East Haddam
Morse, Jared K.

Greenwich
Liddel, Urner

Hartford
Dadourian, H. M.
Doolittle, Howard D.
Perkins, Henry A.
Wadlund, Arthur P. R.

Middletown
Cady, Walter G.
Crawford, Morris B.
Eaton, Vernet E.
Jaffe, Hans von R.
Van Dyke, Karl S.

New Haven
Adams, Norman I., Jr.
Anthony, Robert L.
Beck, Fred J., Jr.
Bock, Charles D.
Brubaker, D. Gordon
Cooksey, C. D.
Cooper, Frank L.
Cornell, Samuel D.
Gagge, A. Pharo
Heminway, Allan
Heminway, Gayle S.
Hull, Gordon F., Jr.
Kovarik, Alois F.
Lane, Cecil T.
Lewis, Charlton M.
McCarthy, John T.
McKeehan, Louis W.
Margenau, Henry
Miller, Donald S.
More, Kenneth R.
Murphy, G. M.
Northrop, F. S. C.
Onsager, Lars
Ott, Lawrence
Page, Chester H.
Page, Leigh
Pollard, Ernest
Schultz, Howard L.
Shambon, Arthur
Tyrrell, Warren A., Jr.
Uhler, Horace S.
Wakelin, James H., Jr.
Warren, Dana T.
Waterman, Alan T.
Watson, W. W.
Wiedmann, M. L.
Zeleny, John

New London
Bliven, Joseph E.
Daghlian, Garabed K.
Powell, Wilson M.

Norwich
Duevel, Charles O., Jr.
Kelly, Harry C.

Stamford
Barnes, R. Bowling
Cunningham, Frederick W.
Mackay, George M. J.
Moore, William C.

Storrs
Ferguson, Frank A.

DELAWARE—3

Newark
Daugherty, J. Fenton

Wilmington
Cairns, Robert W.
Tanberg, Arthur P.

DISTRICT OF COLUMBIA—130

Adams, Leason H.
Arnold, Prescott N.
Astin, Allen
Baldwin, Rollin S.
Bates, Frederick J.
Beck, Carl A.
Brackett, F. S.
Brewer, A. Keith
Brice, Brooks A.
Brickwedde, Ferdinand G.
Briggs, C. A.
Briggs, Lyman J.
Brooks, Herbert B.
Burda, Francis X.
Cheney, Walter L.
Chrisler, V. L.
Clark, Leland S.
Cleeton, Claud E.
Coblentz, W. W.
Coleman, Frank
Cox, Elbert F.
Critchfield, Charles L.
Crittenden, Eugene C.
Cummings, Herbert K.
Curtis, Harvey L.
Curtis, Roger W.
Curtiss, L. F.
Darnell, Richard C.
Day, Arthur L.
Defandorf, Francis M.
Deming, W. Edwards
Dickinson, H. C.
Dorsey, Herbert G.
Dorsey, N. Ernest
Downey, K. Melvina
Dryden, Hugh L.
Fenner, Clarence N.
Fleming, John A.
Fowle, F. E.
Gibson, K. S.
Gish, O. H.
Gunn, Ross
Hafstad, L. R.
Hall, Wayne C.
Harrison, Sally F.
Hay, Donald L.
Hayes, Harvey C.
Hays, Margaret B.
Hendricks, Sterling B.
Herzfeld, Karl F.
Heydenburg, N. P.
Heyl, Paul R.
Hulburt, Edward O.
Humphreys, C. Judson
Humphreys, William J.
Ives, James E.
Jefferson, Merrill E.
Jessup, Ralph S.
Jones, Ernest J.
Judson, Lewis V.
Kahler, Herbert
Kaiser, Herman F.
Johnson, Ellis A.
Kiess, C. C.
Klein, Elias L.
Kolkmeyer, Emeran J.
Korff, S. A.
Kracek, Frank C.
Kunsman, Charles H.
Laufer, Maurice K.
Logan, Hugh L.
McAlister, E. D.
McAllister, Addams S.
McCane, C. Anthony
McIlwraith, Charles G.
McKenzie, Lawson M.
McNicholas, Harry J.
MacPherson, Herbert G.
Maris, H. B.
May, Albert
Maxwell, Louis R.
Meggers, William F.
Melvin, Eugene H.
Merwin, H. E.
Metz, Sister Aloysius Marie
Meyer, J. Franklin
Mohler, F. L.
Nelson, R. Andrew
Norgorden, Oscar
Nutting, P. G.
Phelps, Francis P.
Philpott, L. R.
Pienkowsky, Arthur T.
Presnell, Galen W.
Rock, George G.
Roeser, William F.

District of Columbia con't.
Rouse, Glenn F.
Sanders, William H.
Sanderson, John A.
Scott, Arnold H.
Seeger, Raymond J.
Silsbee, F. B.
Singer, George
Skinner, Clarence A.
Skramstad, Harold K.
Snow, Chester
Stang, A. H.
Steinberger, R. L.
Stephenson, Edward B.
Stimson, Harold F.
Talbott, F. Leo
Taylor, A. Hoyt
Taylor, Delia Ann
Teller, E.
Tool, Arthur Q.
Tuckerman, L. B.
Tuve, Merle A.
Van Dusen, Milton S.
Van Ostrand, C. E.
Wait, George R.
Washer, Francis E.
Wenner, Frank
Wheeler, Lynde P.
White, Gladys
White, Walter P.
Wood, Lawrence A.
Wright, Frederick E.
Wulf, Oliver R.
Zimmerman, Carroll L.
Zisman, W. A.

FLORIDA—16

Deland
Allen, Robert I.
Vance, Charles B.

Gainesville
Bless, Arthur A.
Knowles, H. L.
Perry, W. S.
Taschek, Richard
Williams, Dudley
Williamson, Robert C.

Miami
Sparks, Brian

Orlando
Fox, William

Sanford
Lovell, William V.

Tallahasse
Richards, Harold F.

Tampa
Becknell, G. G.
Coulson, John

West Palm Beach
Nichols, Edward L.

Winter Park
Kinsler, Lawrence E.

GEORGIA—8

Athens
Dixon, E. H.
Hendren, L. L.
Snyder, Rufus H.

Atlanta
Howey, J. H.
Rosselot, Gerald A.

Emory University
Nelms, William S.

Mount Berry
McAllister, Lawrence E.

Savannah
Knowles, Frederick L.

IDAHO—4

Boise
Wayland, Harold

Moscow
Hammar, Gustaf W.
Stauffer, Lynn H.

Pocatello
Meadows, Steven R.

ILLINOIS—163

Aurora
Smith, Clarence R.

Batavia
Lowry, E. F.

Berwyn
Hartsough, R. C.

Bloomington
Hargitt, Thomas F.

Bourbonnais
Kinzer, Gilbert D.

Carbondale
Young, Otis B.

Champaign
Hoersch, Victor A.

Charleston
Verwiebe, F. L.

Chicago
Ackley, Robert A.
Allison, Samuel K.
Anderson, Erik
Beardsley, Niel F.
Blackburn, C. Marvin
Bowersox, Ralph B.
Bradford, James M.
Brown, Weldon G.
Bueso-Sanllehi, Facundo
Christy, Andrew
Compton, Arthur H.
Contantinides, Philip
Davis, Ardith P.
Dempster, Arthur J.
Dershem, Elmer
Donahue, Sister Mary
Dunifon, James W.
Eckart, Carl
Ference, Michael, Jr.
Fleming, James J.
Gale, Henry G.
Glathart, Justin L.
Harkins, W. D.
Hoag, J. Barton
Hogness T. R.
Holley, Clifford
Hoyt, Frank C.
Jacobsohn, Samuel
Jesse, William P.
Klapman, Solomon J.
Kleis, John D.
Kliever, Waldo H.
Klopsteg, Paul E.
Laird, Harold R.
Lemon, Harvey B.
Lunn, Arthur C.
McHugh, Daniel J.
McMaster, A. J.
McMurray, Henry L.
Miller, Kenneth W.
Million, John W., Jr.
Monk, George S.

Chicago con't.
Mulliken, Robert S.
Murray, Forrest H.
Orndoff, Benjamin H.
Pepinsky, Raymond
Potter, James G.
Potts, Louis M.
Poulter, Thomas C.
Psilolihnos, Theodore G.
Rashevsky, Nicolas
Richardson, Donald E.
Romig, Walter W.
Rothenstein, Otto
Schwede, Harold F.
Shaw, Albert E.
Skinner, E. W.
Sordahl, Louis O.
States, M. N.
Stephenson, Reginald J.
Stevens, Daniel S.
Stewart, Rose L.
Stone, Carrington H.
Strong, Herbert M.
Sweeny, Ray L.
Taylor, William P.
Thompson, James S.
Thompson, Paul W.
Vogel, Oliver G.
Wager, Alan T.
Warner, Glen W.
White, William B.
Wilcox, G. M.
Young, Gale J.
Zachariasen, W. H.

Decatur
Palmer, R. Ronald

East Alton
Lyons, W. James
Webb, Glenn M.
Womer, R. L.

Elmhurst
Hole, Winston L.

Elsah
Hooper, W. J.

Eureka
Rinker, Jacob A.

Evanston
Anderson, Elizabeth W.
Bassoe, Else
Bockstahler, Lester I.
Cashman, Robert J.
Crew, Henry
Fisher, R. A.
Huxford, Walter S.
Jamison, Noel C.
Jones, Richard W.
Jordahl, Olaf M.
Kassel, Louis S.
Larson, Christian C.
Overbeck, Clarence J.
Rollefson, K. E.
Smith, Arthur Bessey
Spence, B. J.
Woods, Robert M.

Freeport
Coleman, Joseph J.
Cooke, F. W.

Galesburg
Longden, A. L.

Geneva
Sabine, Paul E.

Greenville
Bettis, Edward S.

Highland Park
Pfanstiehl, Carl

Hubbard Woods
Hulswit, William H., Jr.

Jacksonville
Fuller, Harold Q.

Lake Forest
Harris, Roscoe E.

Lisle
Shonka, Joseph J.

Naperville
Wall, C. N.

Oak Park
Holmquest, H. J.
Kegerreis, Roy
Woodruff, Albert E.

Palatine
Kerry, John R.

Park Ridge
Phebus, W. C.

Peoria
Swaim, Verne F.

Quincy
Adams, Clete

River Forest
Fidelis, Sister Mary

Riverside
Schnable, G. L.

Rockford
Johnson, A. Frances

Rock Island
Cravath, Austin M.
Larson, Karl G.
Magnusson, J. P.

Urbana
Almy, Gerald M.
Beiler, A. Clarke
Bourgin, David G.
Burns, Robert O.
Carman, Albert P.
Carter, Elbert P.
Challacombe, Carl N.
Clark, George L.
Dunn, Cecil G.
Irwin, George R.
Knipp, Charles T.
Kruger, P. Gerald
Leedy, Haldon A.
Loomis, F. Wheeler
Mott-Smith, Harold M.
Ott, Howard F.
Paton, Robert F.
Piersol, Robert J.
Reich, Herbert J.
Rodebush, Worth H.
Schultz, Harvey A.
Schulz, William F.
Sprengel, H. J.
Stallmann, Frederick W.
Tykociner, J. T.
Watson, Floyd R.
Watson, Richard E.
Weissberg, S. G.
Williams, Elmer H.

Wheaton
Taylor, H. O.

Wilmette
Klapperich, A. J.
Ziegler, George E.

INDIANA—37

Bloomington
Crites, James E., Jr.
Dutcher, John B.
Foley, Arthur L.
Hufford, Mason E.
Ramsey, Rolla R.

Earlham
Van Dyke, George D.

Evansville
Buffinton, R. M.
Hovda, Olaf

Goshen
Bender, Paul

Greencastle
Giddings, Glenn W.
Smith, Orrin H.

Hammond
Matson, Stewart W.

Hanover
Martin, R. Earl

Huntingburg
Koenig, Harold S.

Lafayette
Abbott, Raymond B.
Ehrhardt, Charles H.
George, R. H.
Hancock, John Ogden
Hawkins, George A.
James, Hubert M.
Knipp, Julian K.
Lanczos, C.
Lark-Horovitz, K.
Mitchell, Elizabeth A.
Nordheim, Lothar
Present, Richard D.
Walerstein, I.

Modoc
Fletcher, Hazel M.

Notre Dame
Bolger, Henry J.
Collins, George B.
Haas, Arthur
Irving, Thomas P.

Petersburg
Zimmerman, E. E.

Richmond
Owens, Herbert D.

South Bend
James, William S.

Terre Haute
Howlett, B. A.

Upland
Draper, Olive May

IOWA—34

Ames
Atanasoff, John V.
Carr, Percy H.
Countryman, M. Alden
Fox, Gerald W.
Richards, Lorenzo A.
Spinney, L. B.
Woodrow, Jay W.

Cedar Falls
Kadesch, William H.

Cedar Rapids
Weld, LeRoy D.

Davenport
Rohret, Louis A.

Decorah
Leidal, Floyd L.

Des Moines
Helmick, Paul S.
Morehouse, D. W.

Fairfield
Collins, E. Hobart
Greene, C. W.

Grinnell
Gale, Grant O.

Indianola
Carr, Arthur B.

Iowa City
Eldridge, John A.
Ellett, Alexander
Huntoon, Robert D.
Lapp, Claude J.
Miller, Bertrand J.
Olsen, Leonard O.
Segesman, Francis
Stewart, G. W.
Tyndall, E. P. T.
Waldbauer, Louis
Webb, Wayne
Young, Victor J.

Mount Pleasant
Morrow, Roger M.

Mount Vernon
Nelson, Roy A.

Plymouth
Holroyd, Howard B.

Sioux City
Graber, Myron E.
Gwinn, Ira J.

KANSAS—19

Atchison
Pretz, Paschal H.
Sullivan, Sister Helen

Bethel College
Friesen, A. P.

Emporia
Miller, R. F.

Hays
Zinszer, Harvey A.

Lawrence
Kester, F. E.
Rice, M. E.
Stranathan, James D.

Manhattan
Cardwell, A. B.
Hamilton, John O.
Hudiburg, Leb E.

Ottawa
Bernhart, Arthur

Topeka
Moore, Fleming G.

Wichita
Ayres H. D.
Kaufman, Clinton
Manning, Kenneth V.
Weber, Louis R.

Winfield
Albright, Penrose S.
Plum, William B.

KENTUCKY—16

Berea
Noll, F. H. Waldemar

Bowling Green
Forman, Guy

Covington
Poole, Cyrus A.

Danville
Sawyer, Raymond B.

Lexington
Gore, Robert C.
Hahn, T. M.
Koppius, O. T.
Pardue, Louis A.
Warburton, Fred W.
Webb, William S.

Louisville
Bennett, Donald M.
Loring, Ralph A.
Smyth, Harold T.
Vance, Bruce B.

Morehead
Black, J. G.

Richmond
Hummell, Arnim D.

LOUISIANA—16

Baton Rouge
Goodrich, Max
Keen, Richard C.
Morris, Lloyd W.

Houma
Yeargers, Frank H.

New Orleans
Alexis, Lucien V.
Barr, E. Scott
Blanchet, Louis A. G.
Bosch, Walter C.
Elliott, Daniel S.
Lyon J. Adair
Mooney, Rose Le Dieu
Morris, J. C.

Shreveport
Earls, Lester T.
Keen, C. D.
Taylor, Josiah
Woodward, R. H.

MAINE—12

Auburn
Cooper, Edward B.

Brunswick
Bartlett, Boyd W.
Jeppesen, Myron A.
Little, Noel C.
Welch, George B.

Lewiston
Whitehorne, William R.
Woodcock, Karl S.

Orono
Bennett, Clarence E.
Crofutt, Charles B.
Fitch, A. L.
Stevens, James S.

Waterville
Wheeler, N. E.

MARYLAND—42

Aberdeen
Kent, R. H.

Annapolis
Brasefield, Charles J.

Baltimore
Ames, Joseph S.
Andrews, Donald H.
Barton, Vola P.
Bearden, J. A.
Benson, Milton L.
Bliss, William J. A.
Clark, Janet Howell
Dieke, G. H.
Franck, James
Frehafer, M. Katherine
Ginsburg, Nathan
Hubbard, J. C.
Jennings, B.
Karrer, Sebastian
Kanne, W. Rudolph
Lange, E. H.
Lukens, Charles
Mayer, Maria Goeppert
Minor, Edward
Mitchell, H. Rees
Murnaghan, Francis D.
Pfund, A. H.
Reid, Harry Fielding
Shaw, C. H.
Waldorf, S. K.
Whitehead, John B.
Wood, R. W.

Bethesda
Brown, F. C.
Taylor, Lauriston S.

Chevy Chase
Berkner, L. V.
Brombacher, W. G.
Duncan, Robert C.
Gardner, Irvine C.
Hodge, Orlando J.

College Park
Dickinson, Beryl H.

Garrett Park
Woolley, Harold W.

Howard County
Murray, Robert T. K.

Pikesville
Weber, Mary D.

Takoma Park
Fullmer, Irvin H.

Woodstock
O'Connor, John S.

MASSACHUSETTS—231

Amesbury
Dame, Mabelle C.

Amherst
Alderman, George W.
Green, Warren K.
Powers, W. F.
Ross, William H.
Soller, Theodore
Stifler, W. W.
Thompson, J. O.
Williams, Samuel R.

Arlington
Guillemin, Victor, Jr.

Belmont
Bush, Vannevar
Cobine, James D.
Edgerton, Harold E.

Beverly
White, Frederick E.

Boston
Baird, Hollis S.
Cornish, Don
Eustis, Warner
Frye, Royal M.
Hastings, A. Baird
Hudson, J. Cramer
Hyatt, J. M.
Kalmus, Herbert T.
Kent, Norton A.
Liben, Israel
McFarlan, Ronald L.
Martin, Stuart T.
Rines, David
Shear, Nathaniel
Sulkowitch, Hirsh W.
Wheelwright, George W., 3rd

Braintree
Keith, Marcia A.

Brookline
Burnham, Robert B.
Matz, Charles H.

Cambridge
Anderson, Wilmer C.
Bainbridge, K. T.
Banôs, Alfredo, Jr.
Bardeen, John
Birch, Francis
Black, N. Henry
Bridgman, P. W.
Buckingham, Stephen A.

Cambridge con't.
Campbell, L. L.
Chaffee, E. Leon
Comstock, Daniel F.
Coolidge, Albert S.
Dimitroff, George Z.
Eastham, Melville
Fay, Charles H.
Feistel, H.
Fisk, J. B.
Furry, Wendell H.
Getting, Ivan A.
Grabau, Martin
Gundersen, Daniel T.
Hall, Edwin H.
Hall, Harry H.
Hebb, Malcolm H.
Heilprin, Laurence B.
Hickman, Roger W.
Hunt, Frederick V.
Jackson, Dugald C.
Jordan, Edward B., Jr.
Kemble, Edwin C.
Kennelly, Arthur E.
Knobel, Max
Little, Elbert P.
Lyman, Theodore
Mann, David W.
Merrill, Dwight P.
Mimno, Harry R.
Nier, Alfred O.
Norton, John T.
Oldenberg, Otto
Pierce, G. W.
Preston, William M.
Purcell, Edward M.
Saunders, F. A.
Schneider, Edwin G.
Slichter, L. B.
Starr, Chauncey
Sterne, T. E.
Sterner, John
Stevenson, E. C.
Street, Jabez C.
Tatum, G. R.
Tousey, Richard
Tuttle, William N.
Van Vleck, J. H.
Vogt, Harold G.

Cambridge A
Albertson, Walter
Allis, William P.
Beattie, James A.
Bell, Maurice E.
Bennett, Ralph D.
Bhatt, Nautamlal B.
Bitter, Francis
Boden, Robert H.
Bowles, Edward L.
Boyce, Joseph C.
Buechner, William W.
Compton, K. T.
Crout, Willard R.
Dewey, Jane M.
Draper, Charles S.
Elmore, William C.
Evans, Richard
Evans, Robley D.
Frank, Nathaniel H.
Goodman, Clark
Goodwin, Harry M.
Hardy, Arthur C.
Harrison, George R.
Harvey, G. G.
Haskins, Caryl P.
Horton, J. W.
Hunsaker, j. C.
Keyes, Frederick G.
King, Robert B.
Lamar, Edward S.
Langsdorf, Alexander, Jr.
MacNeille, Stephen M.
Moon, Parry
Morgan, Joseph
Morningstar, Otto
Morse, Philip M.
Mueller, Hans
Norton, C. L.
Norton, F. H.
Nottingham, Wayne B.
Page, Newell C.
Paul, Frederick W.
Pekeris, Chaim
Phillips, H. B.
Rayton, Willis M.
Schecter, Harry
Schiff, L. I.
Schremp, Edward J.
Sears, Francis W.
Slater, John C.
Smith, Philip T.
Stetson, Harlan T.
Stockbarger, Donald C.
Stratton, J. A.
Timoshenko, Gregory S.
Trump, John G.
Vallarta, M. S.
von Hippel, Arthur
Warren, Bertram E.
Wetzel, Wilfred W.
White. Allyn B.
Wulff, John

Chestnut Hill
Tobin, John A.

Dorchester
Norman, Haskell F.
Stone, Albert M.

Dover
Taylor, Lucien B.

Hatfield
Billings, H. Louisa

Ipswich
Kinsman, Arthur D.

Lawrence
Millman, Jacob

Lynn
Bauer, Paul S.
Blaisdell, B. Edwin
Bradley, C. D.
Pratt, Kenneth H.
Thomson, Elihu

Malden
Lilienfeld, J. E.
Norman, Daniel
Perry, Robert W.

Medford
Harrison, Jamison R.
Smith, Charles G.
Tripp, William A.

Melrose
Zabel, Rolland M.

New Bedford
Van de Graaff, Robert J.

Newton
Abbot, L. H.
Andrews, Loring B.

Newton Center
Evans, Samuel H.

Newton Highlands
Biscoe, Jonathan
Spike, J. Edward, Jr.

North Adams
Robinson, Preston

Northampton
Anslow, Gladys
Bacon, George P.
Cann, Jessie Y.
Dickson, J. B.
Jones, A. T.
Koehler, James F.
Mohler, Nora M.
Waterman, Frank A.

North Woburn
French, Hobert W., Jr.

Pittsfield
Byrne, John F.
Clark, Frank M.

Rochester
Arenberg, David L.

Roxbury
Kaminsk Joseph

Salem
Bolan, Robert S.

Somerville
Mongan, Charles E., Jr.

Southbridge
Tillyer, E. D.

South Dartmouth
Houghton, Henry G., Jr.
Northrup, Doyle L.
Van Atta, C. M.
Van Atta, L. C.

South Hadley
Allen, Mildred
Carr, Emma P.
Chase, Mabel A.
Laird, Elizabeth R.
Rusk, Rogers D.
Stücklen, Hildegard

Springfield
Palmer, E. M.

Stoneham
Kleinschmidt, R. V.

Watertown
Field, Robert F.
Lacount, Reginald G.
Lester, H. H.

Wellesley
Armstrong, Alice H.
Davis, Grace E.
Heyworth, Dorothy
McDowell, Louise S.
Wilson, Lucy

Wellesley Hills
Weeks, Paul E.

Weston
Brock, Henry M.
Quigley, Thomas H.

Williamstown
Crawford, Franzo H.
Haynes, Sherwood K.
McElfresh, William E.
Milham, Willis I.
Richmond, Donald E.
Stabler, H. P.
Wallace, Thomas H.
Winch, Ralph P.

Worcester
Beth, Richard A.
Duff, A. Wilmer
Ewell, Arthur W.
Masius, Morton
Roope, P. M.
Sommerman, George M. L.
Young, Robert T., Jr.

MICHIGAN—81

Albion
Olthoff, Jacob

Allegan
Hall, Leo G.

Alma
Ditto, R. C.

Ann Arbor
Barker, Ernest F.
Beutler, H.
Chamberlain, Katherine
Colby, Walter F.
Cork, James M.
Crane, H. Richard
Darling, B. T.
Dennison, David M.
Duffendack, O. Stanley
Firestone, Floyd A.
Goudsmit, S. A.
Greig, Walter A.
Howe, Harold S.
Laporte, Otto
Lindsay, George A.
Meyer, Charles F.
Montgomery, L. D.
Randall, H. M.
Rood, Paul
Sawyer, Ralph A.
Slawsky, I. Zaka
Sleator, William W.
Smith, Arthur W.
Thomassen, Lars
Thomson, Kenneth B.
Thornton, Robert L.
Vincent, H. B.
Wagner, John F.
Whitmer, Robert M.
Williams, Neil H.
Wolfe, Ralph A.
Wright, Norman

Berrien Springs
Thompson, Julian L.

Dearborn
Caris, D. F.

Detroit
Ambrosia, Sister M.
Baker, Edward B.
Brewington, G. P.
Cassen, Benedict
Havens, G. G.
Hoyt, Howard C.
Hunt, John H.
Kettering, Charles F.
Lewis, Clayton R.
Martin, Edward J.
Merrill, Robert A.
Nusbaum, Ralph E.
Perkins, Wallace W.
Phelps, Everett R.
Poetker, Albert H.
Rassweiler, G. M.
Sargeant, Walter E.
Sproull, Wayne T.
Ward, H. K.

East Lansing
Chamberlain, Clark W.
Chapman, Charles W.
Hause, Clarence D.
Keck, William G.
Kimball, William S.
Morrison, Edwin

Flint
Smith, Robert W.

Grand Rapids
Warren, Kenneth L.

Hillsdale
Penrod, E. B.

Houghton
Partlo, F. L.
Service, Jerry H.

Jackson
Morris, Lloyd P.
Trimmer, John D.

Kalamazoo
Fox, John E.
Hornbeck, John W.
Marburger, Walter G.
Tashjian, David R.

Lapeer
Bertsch, Carl V.

Midland
Grebe John J.
Hanawalt, Joseph D.
McDonald, John C.
Matheson, Lorne A.
Owens, James S.

Olivet
Hancox, Robert R.

Pontiac
Voorhees, H. R.

MINNESOTA—45

Mankato
Wissink, Garret M.

Minneapolis
Borchardt, Lester F.
Buchta, J. W.
Carlson, Richard E.
Cohen, Arnold A.
Culmer, William J.
Distad, Merril
Erikson, Henry A.
Glockler, George
Hagstrum, Homer D.

Minneapolis con't.
Hanson, Elmo E.
Haxby, Robert O.
Hill, Edward L.
Hustrulid, Andrew
Jackson, Dunham
Kerns, David M.
Kusch, P.
Landshoff, Rolf
Lind, Samuel C.
Miller, Louallen F.
Olson, Harold T.
Reyerson, Lloyd H.
Shawhan, E. Neil
Shepherd, William G.
Stenstrom, Wilhelm
Sullivan, R. R.
Tate, John T.
Valasek, Joseph
Vaughan, Alfred L.
Vigness, Irwin
Webb, James S.
Wilcox, Hugh B.
Williams, John H.
Zeleny, Anthony

Moorhead
Lee, Konrad O.

Northfield
Fossom, Peter E.
Hetle, Erik

Red Wing
Jenness, J. R.

Robbinsdale
Hartig, Henry E.

Rochester
Baldes, E. J.
Herrick, Julia F.

St. Joseph
Werth, Sister Magna

St. Paul
Overn, O. B.
Wilson, John L.

St. Peter
Rodine, Milward T.

MISSISSIPPI—4

Clinton
Hanson, Alvin W.

State College
Kinkaid, Walker

University
Kennon, William L.
Lewis, Arthur B.

MISSOURI—40

Cape Girardeau
Harty, John H.

Columbia
Dufford, R. T.
Gingrich, Newell S.
Hammond, H. E.
Reese, Herbert M.
Stewart, O. M.

Fayette
Abernathy, Lewis

Kansas City
Bennett, James L.
Hayden, Charles K.
Hoecker, Frank E.

Liberty
Davis, John E.

Maryville
Hake, Joseph W.

Parkville
Rogers, Robert A.

Rolla
Jensen, William J.
Woodman, L. E.

St. Charles
Karr, Lois

St. Joseph
Pistorius, Grant L.

St. Louis
Brady, James J.
DeFoe, Ona K.
Hagenow, Charles F.
Howard, Robert A.
Hughes, Arthur L.
James, Louis E.
Jauncey, G. E. M.
Kernaghan, Marie
Lawther, Harry P., Jr.
McMillen, J. Howard
Macelwane, James B.
Mann, Marvin M., Jr.
Miller, Robert D.
Nuckolls, Richard G.
Poindexter, Franklin E.
Ramirez, J. Emilio
Shannon, James I.
Whitney, John D.
Wollan, Ernest O.
Zener, Clarence
Zimmerman, Lester I.

Warrensburg
Morris, Wilson C.

Webster Grove
Grennan, Sister M. M.

MONTANA—8

Bozeman
Copeland, Paul L.
Johnson, Arthur J. M.
Ware, Lawrence A.
Warner, Marvin C.

Butte
Shue, George L.

Havre
Besanson, Robert M.

Missoula
Little, Edward M.
Shallenberger, Garvin D.

NEBRASKA—12

Chadron
Philpott, Charles W.

Crete
Johnson, A. L., Jr.

Hastings
James, Harry R.

Lincoln
Almy, John E.
Barager, Arnold E.
Jensen, J. C.
Marvin, H. H.
Schilling, Harold K.
Smith, T. Townsend
Spencer, Roy C.

Wayne
Brock, James E.

York
Keim, Chris. P.

NEVADA—3

Fallon
Clark, John C.

Reno
Hartman, L. W.
Roman, Irwin

NEW HAMPSHIRE—13

Concord
Sears, Frederick E.

Durham
Howes, H. L.
Mason, Charles M.
Moran, Clement
Starke, Raymond R.

Exeter
Bartlett, Russell S.
Longacre, Andrew

Hanover
Campbell, C. J.
Gilbert, Norman E.
Hull, G. F.
Meservey, Arthur B.
Murch, Leslie F.
Proctor, Charles A.

NEW JERSEY—195

Bayonne
Ackerman, D. E.

Belleville
Dodd, Coleman

Bloomfield
Arnott, Edward G. F.
Arnott, Janet M.
Beese, Norman C.
Ehrke, Louis F.
Findlay, John H.
Hazen, Thomas
Nelson, Herbert
Schmid, Edward R.
Sharp, D. Gordon
Weith, Archie J.
Zinzow, William A.

Boonton
Ballantine, Stuart
Drake, Frederick H.
Hull, Lewis M.

Caldwell
McCurdy, William H.

Camden
Epstein, David W.
Linder, Ernest G.
Luck, David G. C.
Morrical, Keron C.
Olson, Harry F.
Piore, Emanual R.
Ruedy, John E.
Wolff, Irving
Zworykin, Vladimer K.

Chatham
Bell, Dorothea L.

Clifton
Dobson, George

Collingswood
Donley, Hugh L.
Kozanowski, Henry N.

Deal
Schelleng, John C.
Sowers, Nelson E.

Dover
Mueller, George J.

East Orange
Macalpine William W.
Mailey R. D.
Olshevsky D. E.
Rentschler, Harvey C.
Ulrey, Clayton T.

Edgewater Park
Barnes, George

Elizabeth
Brown, Delbert F.
Tate, George E.

Flemington
Douglas, Edward B.

Glen Ridge
Brainin, Clement S.
Slack, C. M.

Grantwood
Buttolph, Leroy J.

Haddon Heights
Morton, George A.
Ramberg, E.

Harrison
DeVore, Henry B.
Donal, John S., Jr.
Glover, Alan M.
Haller, Cecil E.
Headrick, Lewis B.
Langmuir, David B.
Law, Russell R.
Malter, Louis
Nergaard, Leon S.
North, Dwight O.
Power, Archie D.
Shackelford, Benjamin E.
Shaw, George R.
Thompson, B. J.

Highland Park
Vieweg, Alice M.

Hoboken
Frank, H. C.
Hazeltine, Alan
Hodge, Percy
Kenty, Carl
Stemple, W. M.

Jersey City
Bennington, Paul W.
Ireland, Clarence E.

Kearney
Sosman, Robert B.

Leonia
Dexter, Joseph H.
Frische, Carl A.
Morse, Leighton B.
Tschudi, Erwin W.

Long Branch
Zahl, Harold A.

Madison
Harrington, Marshall C.
Morrison, Louis A.

Mahwah
Grisewood, Edgar N.

Maplewood
Entwisle, Franklin N.
Pidgeon, Howard A.

Martinsville
Shurcliff, William A.

Maurer
Traxler, Ralph N.

Millburn
Merrill, Frederic D., Jr.
Miessner, Benjamin F.
Nyquist, Harry
Sidney, C. W.

Montclair
Charton, Paul W.
Glenn, Earl R.

Montclair con't.
Goldsmith, Thomas T., Jr.
Mouromtseff, I. E.

Mountain Lakes
Foster, Donald D.
Shewhart, W. A.

Newark
Bleick, Willard E.
Goodwin, W. N., Jr.
Ranger, R. H.
Stauss, Henry E.

New Brunswick
Atkinson, Robert d'E.
Greenlees, A. Lloyd
Helz, Armin
Hoover, Paul L.
Jackson, Wilfrid J.
Pratt, Frank R.
Winchester, George

Ocean City
Bramley, Arthur

Oceanport
Anderson, S. Herbert

Orange
Colpitts, Edwin H.
Daniel Arthur F.

Parlin
Walker, Marshall
White, Deane R.

Passaic
Gibbons, Willis A.
Mooney, Melvin
Murray, L. A., Jr.

Princeton
Adams, Edwin P.
Akeley, Edward S.
Bartlett, James H., Jr.
Beach, John Y.
Bleakney, Walker
Brattain, R. R.
Clearman, Harold E., Jr.
Condon, Edward U.
Cooke, Hereward L.
Cummings, Charles S., 2nd
Einstein, Albert
Feenberg, E.
Giarratana, Joseph
Harnwell, Gaylord P.
Harris, Wilbur
Henderson, Malcolm C.
Herring, Conyers
Hipple, J. A., Jr.
Hirschfelder, Joseph O.
Hoffmann, Banesh
Hofstadter, Robert
Kuper, J. B. Horner
Ladenburg, R.
Lampson, Curtis W.
Magie, William F.
Mariner, Thomas
Phillips, Melba
Pryce Maurice H. L.
Ridenour, Louis N., Jr.
Risser, Jacob R.
Roberts, Richard B.
Robertson, H. P.
Rosen, Nathan
Russell, Henry Norris
Shenstone, Allen G.
Sherr, Rubby
Smith, Lincoln G.
Smyth, Henry D.
Stewart, John Q.
Taylor, Hugh S.
Turner, Louis A.
Van Vleck, C. C.
Veblen, Oswald
von Neumann, John
Wells, Philip V.
Willis, Clodius H.
Wyckoff, Ralph W. G.

Red Bank
Englund, Carl R.
Southworth, G. C.

Rutherford
Clokey, Allison A.

Somerville
Downsbrough, George A.
Loring, Albert D.
Weinland, Clarence E.

South Orange
Miller, Henry J.
Stanwick, Charles A.
Weeks, John R.
Winninghoff, W. J.

Stelton
Porter, David D.

Summit
Cope, Joseph H.
Day, Wm. Scofield
Dodd, Dorothy M.
Heising, Raymond A.
Hunt, Franklin L.
Maxfield, J. P.
Rockwood, G. H., Jr.
Snook, H. Clyde

Tenafly
Callihan, Dixon
Wolfe, Hugh C.

Trenton
Troxel, S. M.
Wilson, William S.

Upper Montclair
Campbell, G. A.
Chesnut, Roy W.
Morrison, Montford

Washington
Schlink, F. J.

West Caldwell
Zottu, Paul D.

Westfield
Becker, A. E.
Gray, Arthur W.
Kinsley, Carl
Read, H. S.
Rossbacher, H.
Townshend, Bailey
Townshend, Louisa E.

West Orange
Flanders, Paul B.

NEW MEXICO—5

Albuquerque
Holzer, Robert E.
Hume, William, II.
Workman, Everly J.

Roswell
Goddard, Robert H.

State College
Gardiner, George W., Jr.

NEW YORK—542

Albany
Hale, C. F.
Power, C. E.

Alfred
Potter, Clifford M.

Annandale-on-Hudson
Hughes, Harold K.
Mestre, Harold

Aurora
Gaehr, Paul F.

Beacon
Ritchie, A. V.

Beechhurst
Hergenrother, Rudolf C.

Bellrose
Mertz, Pierre

Binghamton
Speh, Karl C.

Bronxville
Bucky, Philip B.
Garrett, Paul H.

Brooklyn
Carroll, Henry
Clo, J. H.
Davidson, Ward F.
Dropkin, John J.
Duncan, James A.
Durand, Milo A.
Fairchild, Charles O.
Fankuchen, I.
Fenn, Irwin H.
Fraim, Parke B.
Fried, Karl H.
Greibach, Emil H.
Hausmann, Erich
Hull, Harvard L.
Larsen, Thorstein
McGoldrick, R. T.
Magarge, Samuel J.
Mais, Walter H.
Mock, Frank C.
O'Neil, Thomas J. W.
Parsegian, V. Lawrence
Pietenpol, Clarence J.
Rheins, Joel J.
Rosenthal, Jenny E.
Santos, Anthony S.
Skinker, Murray F.
Stern, Alexander W.
Thompson, C. S.
Thompson, J. E.
Thorndike, Edward M.
Weber, Ernst
Wiedeman, Gustave
Willis, H. Hugh
Weinrich, M. F.

Buffalo
Bender, William
Cutting, Fulton
Delaney, J. P.
Hansen, Ralph E.
Hector, L. Grant
Jones, R. N.
Moore, Edward
Olmsted, Charles M.
Silverman, Shirleigh
Stephenson, B. R.
Wallin, Walter

Canajoharie
Berkey, Donald K.

Canton
Smith, John F.

Clinton
Cameron, G. Harvey
Nile, Stephen W.

Cold Spring Harbor
Fricke, Hugo

Corning
Genevese, Frank
Guyer, Edwin M.
Kiehl, Harry R.
Lewis, Evan J.
Littleton, Jesse T.
McCauley, George V.

Eden
Peck, Mahlon F.

Fishkill
Roess, Louis C.

Flushing
Feild, Alex. L.

Garden City
Bergen, Catherine M.
David, John A.

Garrison
Cattell, Ware

Geneva
Bancroft, George H
Haussmann, Alfred C.

Great Neck
Lewis, Harold M.

Hamburg
Sharp, Donald E.

Hamilton
Cox, Everett F.
Gleason, Paul R.
Henshaw, Clement L.
Pearsall, Anna W.

Hastings-on-Hudson
Schneider, Walter A.

Hempstead
Burnham, George H.

Ithaca
Bacher, Robert F.
Baker, Charles P.
Bancroft, Wilder D.
Barnes, LeRoy L.
Bethe, Hans A.
Cady, Willoughby M.
Collins, J. R.
Crittenden, Eugene C., Jr.
Cuykendall, Trevor
Fogelsanger, Aldus
Gartlein, Carl Witz
Gibbs, R. Clifton
Grantham, G. E.
Hirsh, Frederick R., Jr.
Hoard, James L.
Howe, Harley
Karapetoff, Vladimir
Kennard, Earle H.
Konopinski, Emil
Livingston, M. Stanley
May, F. A.
Merritt, Ernest
Meschter, Emery
Mueller, Donald W.
Murdock, Carleton C.
Parratt, Lyman G.
Richards, S. J.
Richtmyer, F. K.
Rose, Morris E.
Sabine, George B.
Scott, George W., Jr.
Shaw, R. William
Shrader, Ross E.
Smith, Lloyd P.
Swanson, Daniel C.
Tomboulian, D. H.
Weekes, Donald F.
Witters, Juanita

Jackson Heights
Hickman, C. N.

Jamaica
Schaffert, Roland M.

Long Island City
Killian, Thomas J.
Tear, James D.
Valente, Frank

Moravia
Walsh, Robert J., Jr.

Mount Vernon
Wetzel, R. A.

New Rochelle
Carroll, Thomas J.

New York
Abramson, Harold A.
Adkerson, B. O.
Ahearn, Arthur J.
Allen, Harriet W.
Anderson, Herbert L.
Anderson, Warren F.
Bacon, Ralph H.
Bain, Edgar C.
Balamuth, Lewis
Ball, Albert
Barkas, Walter H.
Barnes, Arthur H.
Barnes, Ralph W.
Baron, Baronig
Barton, Henry A.
Becker, Joseph A.
Beller, William C.
Benedict, William S.
Black, K. Charlton
Blackman, Ralph B.
Blackwell, Otto B.
Blanchard, Kenneth C.
Boch, Alfred
Boeker, Gilbert F.

New York con't.
Boggs, Emily E.
Bond, Walter L.
Boorse, Henry A.
Bozorth, Richard M.
Brattain, Walter H.
Brown, Louis F.
Brown, Vertner
Brown, William F., Jr.
Buckley, Oliver E.
Buggeln, Gertrude E.
Calbick, Chester J.
Callan, Anna May
Carter, C. W., Jr.
Chase, Carl T.
Chiles, James A., Jr.
Christensen, Carl J.
Chylinski, S.
Cioffi, Paul P.
Coates, Wesley M.
Cohen, Victor W.
Cole, Kenneth S.
Collins, T. R. D.
Cooley, J. P.
Corcoran, Charles A.
Cortell, Robert
Cox, Richard T.
Crew, William H.
Curtis, Howard J.
Darrow, Karl K.
Davis, Bergen
Davisson, Clinton J.
Demarest, Charles S.
Dillinger, Joy F.
Dobrin, Milton B.
Doermann, Frederick W.
Dunn, H. K.
Dunning, John R.
Echols, Robert L.
Eglin, James M.
Eldred, Byron E.
Ellis, Cecil B.
Ellwood, Walter B.
Emin, Irving
Estey, Roger S.
Ewing, Hampton D.
Exner, Frank M.
Failla, Gioacchino
Farwell, Hermon W.
Ferguson, W. F. C.
Finch, W. G. H.
Finck, J. L.
Fletcher, Harvey
Flowers, J. W.
Folsom, Theodore R.
Foote, Frank G.
Fox, Marvin
Frederick, H. A.
Free, E. E.
Fry, Thornton C.
Galt, Rogers H.
Garth, Robert C.
Germer, L. H.
Gernsback, Hugo
Giannini, G. M.
Gilbert, John J.
Glasoe, G. Norris
Goldsmith, Alfred
Goldsmith, Hyman H.
Golovin, Nicholas
Gorham, John E.
Gorton, William S.
Goucher, Frederick S.
Granath, Louis P.
Grant, Royal E.
Gray, Frank
Gray, Newton M.
Green, Edward H.
Hall, Harvey
Halpern, Otto
Ham, William T.
Hardy, James D.
Hardy, Truly C.
Harness, George T.
Hartley, Ralph V. L.
Hartman, Charles D.
Havighurst, R. J.
Hawkes, John B.
Haworth, Francis E.
Hayner, Lucy J.
Hepburn, Ann B.
Hering, D. W.
Herrington, Harold W.
Hilberry, Norman
Hitchcock, W. J.
Hoffman, Samuel V.
Hogg, John L.
Hooker, E. H.
Horton, A. W., Jr.
Hutchisson, Elmer
Ingram, Sydney B.
Ives, Herbert E.
Jameson, Malcolm F.
Jaycox, Edwin K.
Jensen, Axel G.
Jewett, Frank B.
Joffe, Joseph
Johnson, J. B.
Johnson, M. H., Jr.
Johnsrud, Alfred L.
Johnston, Helen
Jones, Philip C.
Jones, Reginald L.
Kanolt, C. W.
Karelitz, George B.
Keller, Arthur C.
Kellogg, J. M. B.
Kelly, M. J.
Kendall, Burton W.
Kern, Emerson W.
King, Robert W.
Kingsbury, Burton A.
Kingsbury, Edwin F.
Kirkham, Don
Kirkpatrick, D. Everette
Kurrelmeyer, Bernhard
Lack, Frederick R.
Langer, Lawrence M.
Langford, Grace
Lawson, Andrew W., Jr.
Legg, Victor E.
Liebowitz, Benjamin
Llewellyn, Frederick B.
Lockrow, Laurice L.
Long, Maurice B.
Lowen, Irving S.
Lynch, J. Joseph
Lynch, William A.
Lynde, Carleton J.
MacColl, L. A.
MacInnes, Duncan A.
MacKenzie, Donald
MacNair, Walter A.
Maltby, Margaret E.
Manley, John H.
Mann, Hubert
Marchant, John H.
Marcus, Alexander
Marrison, Warren A.
Marshall, Rebecca F.
Marx, Rose S.
Mason, Warren P.
Mathes, Robert C.
Matthysse, Irving G.
Mendenhall, H. E.
Merica, Paul D.
Messenger, Helen A.
Millar, Preston S.
Millman, Sidney
Mills, John
Mindlin, Raymond D.
Mintz, Esther U.
Mitchell, Allan C. G.
Mitchell, Dana P.
Mitchell, M. M.
Mitchell, Paul C.
Mohr, Franklin
Morgan, Robert B.
Morrissey, Robert B.
Muller, Ralph H.
Murphy, Edgar J.
Murphy, Edward J.
Myers, Frank E.
Nedelsky, Leo
Newby, Neal D.
Nicolson, Alexander M.
Nix, Foster C.
Norton, E. L.
Null, Fay E.
O'Leary, Austin J.
Olmstead, Paul S.
Osborne, Harold S.
Otis, Herbert N.
Otten, Henry
Parker, Allan E.
Parr, Harry L.
Parsons, R. V.
Pearson, Gerald L.
Pegram, George B.
Perrine, J. O.
Peterson, Eugene
Pestrecov, K.
Pierce, John R.
Piety, R. G.
Polin, Herbert S.
Pope, Thomas J.
Porter, Bernard H.
Powers, Philip N.
Prescott, C. H., Jr.
Proskauer, Richard

New York con't.
Quarles, Donald A.
Quimby, Edith H.
Quimby, Shirley L.
Rabi, I. I.
Randall, Robert H.
Reber, Rufus K.
Reynolds, F. W.
Riesz, Robert R.
Robertson, Randal M.
Roller, Duane
Romig, Harry G.
Rose, Fred C.
Rose, John L.
Rosenberg, Paul
Salant, Edward O.
Samuel, Arthur L.
Sard, Robert D.
Schlenker, Vesper A.
Schuh, Arthur E.
Schwarzschild, Myron M.
Sears, Raymond W.
Semat, Henry
Severinghaus, Frances O.
Severinghaus, W. L.
Shackleton, S. Paul
Shea, John D.
Sheldon, H. H.
Shockley, William
Shore, Henry
Siegel, Sidney L.
Sinclair, David
Sivian, L. J.
Skellett, A. M.
Skinner, Selby M.
Sonkin, Simon
Southall, James P. C.
Southworth, H. M.
Stacy, Leland J.
Steffens, Carsten C.
Steinberg, John C.
Stone, C. G., Jr.
Swenson, Hugo
Talmey, Paul
Taylor, E. Gordon
Townsend, Agnes
Treleaven, Clifford L.
Trueblood, Howard M.
Truesdell, Waldo B.
Turner, Alva
Urey, Harold C.
van der Merwe, Carel W.
Van Nuys, Claude C.
Varney, Robert N.
von Nardroff, Ernest R.
von Nardroff, Robert
Vreeland, Frederick K.
Waldman, Bernard
Walther, Henry
Waterman, Frank N.
Webb, Harold W.
Wegel, Raymond L.
Wehe, H. G.
Weid, Arthur C.
Weil, George L.
Weinhart, Howard
Wente, E. C.
West, William
Whitaker, M. D.
Willard, Gerald W.
Williams, Clarke
Williams, David T.
Williams, Horatio B.
Wills, A. P.
Wilson, William
Woodcock, W. W., Jr.
Woodmansee, Buryl S.
Zacharias, Jerrold R.
Zaret, Matthew
Zemansky, Mark W.
Zinn, Walter H.
Zobel, Otto J.

Niagara University
Banks, George B.

Oleon
Nickol, John P.

Pearl River
Baker, Carl I.

Pelham
Cooke, William T.

Potsdam
Bair, W. H.

Poughkeepsie
Carter, Edna
Flowers, A. E.
Healea, Monica
Northrop, Paul A.
Wheeler, Mary A.
Wick, Frances G.

Riverdal
Kimball, George B.
Rosin, Seymour

Riverhead
Katzin, Martin

Rochester
Barnes, S. W.
Blair, Henry A.
Bryan, Arthur L.
Buck, John H.
Campbell, J. S.
Clark, Herbert A.
Crawford, Dean P.
Denmark, Hyman S.
Dittmer, Arthur F.
DuBridge, Lee A.
Ewing, Douglas H.
Fairbanks, Floyd C.
Hill, Albert G.
Horsfall, R. Bruce, Jr.
Hubbard, Karl H.
Huggins, Maurice L.
James, T. H.
Jones, Loyd A.
King, Allen L.
Lawrence, Henry E.
McLeod, J. H.
Mannes, L. D.
Mees, C. E. K.
Noyes, Bradford, Jr.
O'Brien, Brian
Packer, Donald M.
Plesset, Milton S.
St. Helens, Hervey J.
Seemann, Herman E.
Seitz, Frederick, Jr.
Smith, Albert
Smith, Scott W.
Steadman, Luville T.
Strain, Charles V.
Valley, George
Webb, J. H.
Wilkins, T. Russell
Wilsey, Rex B.

Rockville Center
Bassett, Preston R.

Saratoga Springs
Hobbie, J. R.

Scarsdale
Weaver, Warren

Schenectady
Blodgett, Katharine
Coolidge, William D.
Cooper, Franklin S.
Dushman, Saul
Elder, Frank R.
Fonda, Gorton R.
Found, Clifton G.
Grover, Frederick W.
Hewlett, Clarence W.
Hull, Albert W.
Johnson, R. P.
Kimball, Arthur L.
Kingdon, Kenneth H.
Koller, Lewis R.
Langmuir, Irving
Luhr, Overton
Manning, Ellis L.
Race, Hubert H.
Rice, Chester W.
Rojansky, V.
Sixtus, Klaus J.
Smith, James J.
Studer, Frank J.
Suits, Chauncey G.
Taylor, John Bellamy
Taylor, John Bradshaw
Thatcher, Everett W.
Tonks, Lewi
Whitney, W. R.
Wold, P. I.

Staten Island
Lindemann, Howard C.
Welo, Edna M.
Welo, Lars A.

Syracuse
Brightman, Charles L.
Fredrickson, W. R.

Syracuse con't.
Porter, Royal A.
Randall, D. P.
Steates, E. Francis

Tarrytown
Case, Leslie V.

Troy
Carragan, G. Howard
Cowan, Frederick P.
Moore, K. H.
Patterson, Robert A.
Wilbur, Donald A.

Tuxedo Park
Hobart, Garret A., 3rd
Loomis, Alfred L.

Watertown
Sillcox, Lewis K.

West Hempstead
Kilmer, Theron W., Jr.

White Plains
Sharp, Clayton H.

Woodhaven
Beyer, Harold G.

Woodside
Efron, Alexander

Yonkers
Greenfield, Eugene W.
Torrey, Henry C.

NORTH CAROLINA—33

Black Mountain
Dreier, Theodore

Chapel Hill
Fussler, Karl H.
Jones, Creighton C.
Mack, Edward, Jr.
Parker, Hermon M.
Plyler, Earle K.
Rice, Oscar K.
Ruark, Arthur E.
Ruark, Grace
Shearin, Paul E.
Stuhlman, Otto Jr.
Wheeler, John A.
White, James W.

Charlotte
Olpin, A. Ray

Durham
Carpenter, David W.
Constant, F. Woodbridge
Edwards, Charles W.
Graves, Robert W.
Hatley, Charles C.
Mouzon, J. Carlisle
Nielsen, Walter M.
Ruff, H. E.
Sponer, Hertha

Greensboro
Tiedeman, John A.
Warfield, Calvin N.

Guilford College
Purdom, Emil G.

Hickory
Morgan, Karl Z.

Paw Creek
Elting, John P.

Raleigh
Heck, Charles M.

Salisbury
Braun, Milton L.

Wake Forest
Githens, Sherwood, Jr.
Speas, William E.

West Asheville
Mann, E. Ray

NORTH DAKOTA—1

Minot
Taylor, Paul K.

OHIO—134

Akron
Busse, Warren F.
Davies, John M.
Dillon, John H.
Firestone, Roger S.
Fouts, Omer R.
Gehman, Samuel D.
Householder, Fred F.
Kuethe, A. M.
Larrick, Lewis
Lessig, Edward T.
Liska, John W.
Street, John N.
Te Grotenhuis, Theodore A.

Alliance
Shollenberger, Forest

Berea
Unnewehr, E. C.

Cincinnati
Alexander, L. M.
Allen, Samuel J. M.
Dwight, Charles H.
Flarsheim, E. S.
Gowdy, Robert C.
Kock, Winston E.
Lehnoff, Raymond G.
Loofbourow, John R.
More, Louis T.
Podolsky, Boris
Schocken, Klaus
Soller, Walter
Sperti, George S.

Chillicothe
Lewis, Lester C.

Cleveland
Adams, Elliott Q.
Albright, John G.
Barnes, B. T.
Bowditch, F. T.
Boyd, Robert A.
Crehore, Albert C.
Curtis, C. W.
Easley, Adelaide
Forsythe, William E.
Glasser, Otto
Hinman, Donald D.
Hodgman, Charles D.
Jeffries, Zay
Jones, Matthew T.
Jones, Shannon
Luckiesh, M.
Miller, Dayton C.
Mountcastle, Harry W.
Nusbaum, C.
Owens, Ralph G.
Peckham, Anna Louise
Poppy, Willard J.
Poritsky, Abraham
Sawyer, Charles B.
Shankland, Robert S.
Shear, Sidney K.
Spencer, Charles D.
Valentino, Michael L.
Van Horn, Irving H.
Victoreen, John
Vollmayer, Leo J.
Wallace, Clarence W.
Wiggers, C. J.

Columbus
Bennett, Willard H.
Blake, F. C.

Columbus con't.
Brubaker, Wilson M.
Gillett, Horace W.
Green, Jerome B.
Harrington, Robert A.
Heil, H. G.
Heil, L. M.
Hesthal, C. E.
Irion, Clarence E.
Johnston, Herrick L.
Jordan, Walter E.
Knauss, Harold P.
Lande, Alfred
Lucks, Charles F.
Nelson, H. R.
Nielsen, H. H.
Peoples, James A., Jr.
Pool, M. L.
Robinson, Howard A.
Russell, H. W.
Shipman, Waldo A.
Shortley, George H.
Smith, Alpheus W.
Smith, Alva W.
Thomas, Llewellyn H.
Weller, Royal
Zumstein, R. V.

Cuyahoga Falls
Johnston, Norris
Miller, K. J.

Dayton
Burka, Samuel M.
Koch, Wendell R.

Delaware
Woodbury, D. A.

Findlay
Roots, Yale K.

Fostoria
Lozier, W. Wallace

Gambier
Allen, James S.
Johnson, Elbe H.

Gates Mills
Royon, Elizabeth

Granville
Smith, Leon E.

Hamilton
Munro, George C.

Hiram
Dooley, Donald
Pritchard, Howard A.

Kent
Coven, A. W.
Lefler, Glenn Q.

Lakewood
Allaman, Haidee H.
Clash, Richard F., Jr.

Marietta
Phillips, T. D.

Newark
Plummer, J. H.

New Concord
Martin, Paul

Oberlin
Gilbert, W. P.
Taylor, L. W.
Tucker, Forrest G.

Orrville
Murray, Allen E.

Oxford
Edwards, Ray L.

Rocky River
Tindal, Charles H.

Steubenville
Homan, John G.

Toledo
Bichowsky, F. R.
Dunipace, Donald W.
Hopfield, Helen S.
Hopfield, John J.
Manning, Millard F.
Osgood, Thomas H.

Tremont City
Gard, Orin P.

Westerville
Bundy, Francis P.

Wooster
Westhafer, William R.

Yellow Springs
Albers, Vernon M.
Knorr, Henry V.
Owen, Gwilym E.

Youngstown
Foard, Castle W.
Goss, Norman P.
Walters, Francis M., Jr.

Zanesville
Brown, T. Townsend

OKLAHOMA—29

Bartlesville
Doan, Richard L.
Hersey, J. Brackett
Todd, F. C.

Enid
Knowles, Frank E.
Reeves, Russell

Guthrie
Richert, B. E.

Norman
Crawford, Francis W.
Dodge, Homer L.
Evans, Julian F.
Nielsen, J. Rud
Roys, Harvey C.
Schriever, William
Van Lear, George A., Jr.
Whitmer, Charles A.

Ponca City
Handley, Ernest J.
McCollum, Elton V.

Seminole
Woodward, Carl S.

Stillwater
Roth, Herman M.

Tahlequah
Watson, Tully F.

Tulsa
Bryan, A. B.
Goble, A. T.
Harris, Sidon
Lester, O. C., Jr.
Owen, John E.
Peters, Leo J.
Smith, Noyes D.
Weatherby, Benjamin B.
Williams, Philip S.
Wolf, Alfred

OREGON—9

Corvallis
Anderson, William B.
Boynton, William P.
Weniger, W.

Eugene
Caswell, A. E.
Norris, Will V.

La Grande
Badgley, Ralph E.

Portland
Knowlton, A. A.
O'Day, Marcus

Salem
Rhoten, Rex R.

PENNSYLVANIA—240

Abington
Witting, E. G.

Albion
Koehler, Wilbert F.

Allentown
Knauss, Homer C.
Zartman, I. F.

Altoona
Haverstick, Earl J.

Bethlehem
Bayley, P. L.
Berger, Charles E.
Bidwell, Charles C.
Carwile, Preston B.
Craig, Palmer H.
Ewing, Maurice
Frey, Austin R.
Hoyler, Cyril N.
Larkin, Charles R.
Petersen, Max H.
Scott, F. A.
Snavely, Benjamin L.

Bryn Mawr
Michels, Walter C.
Patterson, A. L.
Raines, Barbara

Bucks County
Clark, Bertha M.

California
Cunningham, William P.

Carlisle
Parlin, Wellington A.

Chambersburg
Weeks, Dorothy W.

Chester
Pike, Eugene W.

Collegeville
Mauchly, John W.

Drexel Hill
Galli-Shohat, N.

Easton
Balderston, Mark
Bingham, Eugene C.
Gordon, C. McCheyne
Hubbell, Harry H., Jr.
King, Ronold W. P.
McQuarrie, W. C.

Elizabethtown
Hartzler, H. Harold

Emporium
Kievit, Ben

Erie
Krack, Elmer J.
Samson, Edward W.

Gettysburg
Miller, George R.

Haverford
Palmer, Frederic, Jr.
Sutton, Richard M.

Hulmeville
Bartoe, Willard

Jeannette
Bishop, F. L., Jr.

Jenkintown
Gilroy, Helen T.

Johnstown
Trytten, Merriam H.

Lancaster
Bennett, William O., Jr.
Charles, Rollin L.
Fry, Howard M.
Luckey, George P.
Wenrich, Calvin N.

Lansdowne
Duncan, Ralph W.

La Plume
Hill, Donald M.

Latrobe
Brinker, Bernard L.

Lewisburg
Lowry, W. N.
Simpson, F. M.

Meadville
Ufford, C. W.

Mechanicsburg
Strong, William W.

Merion
Blake, Sue A.

Monaca
Long, Carleton C.

New Wilmington
Moorhead, John G.
Swindler, James A.

Northampton
Solt, Irvin H.

Oakmont
Lamb, George B.

Palmerton
Kean, Clare H.
O'Bryan, Henry M.
Stutz, George F. A., Jr.
Waring, Robert K.

Philadelphia
Adams, C. A.
Allen, Alexander J.
Baldwin, William, Jr.
Barker, Harold C.
Barnes, James
Bazzoni, Charles B.
Biddle, James G.
Bloomenthal, Sidney
Bohn, J. Lloyd
Bond, Donald S.
Boyer, Robert L.
Bronk, D. W.
Chambers, Carl C.
Chaney, Newcomb K.
Cornog, I. Clyde
Dike, Paul H.
Fleisher, Willis, Jr.
Fraenckel, Victor H.
Goodspeed, Arthur W.
Guzik, N. J.
Hall, Clarence A.
Harkins, Melvin R.
Harrison, T. R.
Hersey, Mayo D.
Hershberger, W. D.
Ives, Frederick E.
Kabakjian, D. H.
Kern, James W.
Lay, John Tracy
Leeds, M. E.
McDonald, Ellice
McElroy, William D.
Machler, Raymond C.
Morgan, Raymond
Nutting, Floyd L.
Pearson, J. M.
Pender, Harold
Peters, Jacob C., Jr.
Redding, C. S.
Richards, Horace C.
Rodman, Jessie A.

Philadelphia con't.
Rolnick, Harry A.
Shrader, James E.
Silver, Samuel
Smith, George A.
Smith, Herschel
Smith, Russell P.
Stein, I. Melville
Summers, R. D.
Tappert, John G.
Thwing, Charles B.
Tynan, John W.
Waldie, Alma T.
Weatherwax, James L.
Weber, Alfred H.
Williams, Albert J., Jr.
Witmer, Enos E.

Pittsburgh
Arnquist, W. N.
Bahls, W. E.
Bailey, Lothrop H.
Ballard, James W.
Barrett, Charles S.
Bessey, William H.
Bishop, Frederic L.
Blackwood, Oswald
Boreman, Robert W.
Bourland, Langford T.
Bryan, Carl L.
Burgwin, Stephen L.
Burns, Keivin
Butler, Mark D.
Carnvale, Anthony
Case, Samuel L.
Chubb, Lewis W.
Clark, Harold T.
Coleman, Eugene F.
Croup, A. H.
Davis, George E.
Devol, Lee
Dowling, Philip H.
Dysart, Paul M.
Eckhardt, E. A.
Elkins, Thomas A.
Estermann, Immanuel
Foote, Paul D.
Gardner, L. W.
Gerhard, Sherman L.
Greenslade, Grover R.
Hammer, Sigmund I.
Hill, Charles F.
Hower, H. S.
Hoyt, Archer
Inglis, David R.
Lewis, Bernard
Morgan, Frank
Mortlock, Frank O.
Muskat, Morris
Mutch, W. W.
Nathanson, Jonas B.
Nettleton, L. L.
O'Donnell, T. J.
Oplinger, Kirk A.
Oshry, Howard I.
Perkins, Beauregard,Jr.
Prine, Charles W.
Pugh, Emerson M.
Ritzmann, Otto F.
Slepian, Joseph J.
Spooner, Thomas
Stern, O.
Sullivan, Francis J.
Taylerson, Ewart S.
Thornburg, Vincent E.
Ulrey, Dayton L.
Wells, William H.
Wilson, Earl D.
Wilson, Thomas A.
Worthing, A. G.
Yensen, Trygve D.
Young, Lloyd A.

Read ng
Knapper, Joseph S.

St. Marys
Bachman, C. H.
Bowie, R. M.
Dehlinger, Walter
Fink, George A.

Scranton
Harper, Joseph P.

Selinsgrove
Ovrebo, Paul J.

Simpson
Tarris, Demetrius

State College
Bell, Raymond M.
Bordner, Earl R.
Davey, Wheeler P.
Duncan, David C.
Ham, William R.
LeGalley, Donald P.
Owens, F. W.
Pielemeier, W. H.
Rank, D. H.
Saxton, Harold L.
Scott, Merit
Shetler, W. Lewis
Smith, F. Raymond
Sullivan, Harris M.
Weber, Robert L.
White, Marsh W.
Yeagley, Henry L.

Swarthmore
Danforth, William E., Jr.
Garrett, Milan W.
Johnson, Thomas H.
Locher, Gordon L.
Montgomery, Carol G.
Read, Donald N.
Sampson, Milo B.
Swann, W. F. G.
Wright, Winthrop R.

Swissvale
Grondahl, L. O.
White, Herbert E.

Upper Darby
Hoyt, John E.
Huff, Thomas E.
Rosengarten, George
Wehr, M. R.

Wallingford
Fulweiler, Walter

Washington
Taylor, T. Smith
Trawick, M. Whitford

Wayne
Cope, Thomas D.

West Chester
McCorkle, Paul

Wilkes-Barre
Hall, V. B.

Wilkinsburg
Brandt, Weldon H.
Knowles, Dewey D.
Marshall, Donald E.
Mason, R. C.
Skinner, C. E.
Sutherlin, Lee
Swartz, Charles A.
Toepfer, Adolph H.

RHODE ISLAND—15

East Providence
Andrews, Howard L.

Kingston
Coggins, C. L.
Guthrie, A. N.

Newport
Eppley, Marion
Greenlaw, Frank M.

Providence
Farnsworth, H. E.
Focke, Alfred B.
Kraus, Charles A.
Lindsay, R. B.
Miller, Carl W.
Noyes, William A., Jr.
Quirk, Arthur L.
Saxl, Irving J.
Vinti, John P.

West Warwick
Brant, Laura

SOUTH CAROLINA—9

Charleston
Smith, N. F.
Taft, Robert B.
Woodbridge, Donald B.

Clemson
Godfrey, William E.
Hendricks, Jesse C.
Huff, L. D.

Clinton
Whitelaw, Neill G.

Columbia
Coleman, James B.
Mercer, Charles F.

SOUTH DAKOTA—2

Brookings
Reinhart, Raymond E.

Vermillion
Jordan, Walter H.

TENNESSEE—19

Chattanooga
Cornelius, D. W.

Cookeville
Dicus, A. W.
Hutchinson, Robert O.

Harrogate
Western, Forrest

Knoxville
Hertel, K. L.
Nielsen, Alvin H.
Pollard, W. G.

Lebanon
Smith, Newell H.

Madison
Hansen, Nis, Jr.

Martin
Bryant, Carroll W.

Maryville
Walker, Edgar R.

Memphis
Rhodes, Peyton N.

Nashville
Breazeale, William
Fountain, Claude R.
Omberg, A. C.
Rudnick, Philip
Slack, Francis G.
Underwood, Newton

Sewanee
Petry, Robert L.

TEXAS—67

Abilene
Olsen, Julius

Amarillo
Burnett, Marion E.

Austin
Boner, Charles P.
Brown, S. Leroy
Colby, Malcolm Y.
Kuehne, John M.
Lockenvitz, Arthur E.
Mather, William T.
Romberg, Arnold

Beaumont
Ellis, L. G.
Sawyer, J. H.

Belton
Gordy, Walter

College Station
McCorkle, W. H.
Schoepfle, George K.
Silvey, O. W.

Dallas
Karcher, John C.
McDermott, Eugene
McDonald, Frank C.
Minton, John P.
Ransone, William R.
Shugart, Thomas R.

El Paso
Knapp, E. J.

Fort Worth
Gaines, Newton

Houston
Banta, H. E.
Blau, L. W.
Bonner, T. W.
Crary, Albert P.
Evjen, Haakor M.
Frosch, Alex
Gould, Martin J.
Hartley, Kenneth
Heaps, C. W.
Howell, Lynn G.
Hughes, Darrell S.
Hurst, William
Ide, John M.
Janco, Nathan
Kannenstine, Fabian M.
MacMahon, A. M.
Mott-Smith, Lewis M.
Muzzey, David S., Jr.
Neuman, L. J.
Osterhoudt, Walter
Peacock, H. B.
Perret, William R.
Ricker, Norman H.
Ritzau, Kurt F.
Rogers, Fred T., Jr.
Rollefson, Aimar H.
Rosaire, E. E.
Rust, William M., Jr.
Statham, Louis
Terry, Melvin C.
West, S. Stewart
Wilson, H. A.
Wolf, Alexander
Wyckoff, Ralph D.

Kerrville
Hammond, Thomas M.

Lubbock
Abbitt, William H.
George, Enoch F.
Hill, Harry
Schmidt, C. C.

Midland
Steward, Wendell B.

San Antonio
O'Byrne, Sister Michael E.
Paulin, Eugene A.

Waco
Spencer, S. R.

Waxahachie
Kennedy, W. Jay

UTAH—9

Logan
Gardner, Willard
Linford, Leo H.
Linford, Leon B.

Provo
Eyring, Carl F.
Marshall, Milton

Salt Lake City
Parmley, Thomas J.
Plumb, Hylon T.
Tugman, Orin
West, Franklin L.

VERMONT—6

Burlington
Allen, Hubert W.
Holmes, R. M.
Woodward, L. A.

Middlebury
Bryant, Ernest C.
Wissler, Benjamin F.

Northfield
Howes, Douglas E.

VIRGINIA—42

Alexandria
Nugent, Robert G.

Arlington
Brown, Thomas B.

Ashland
Keeble, W. H.

Blacksburg
Baldock, Russell
Lee, Claudius
Robeson, Frank L.

Buckroe Beach
Benson, James M.

Charlottesville
Beams, Jesse W.
Brown, Frederick L.
Holmes, Frederick T.
Hoxton, Llewellyn G.
Snoddy, Leland B.
Sparrow, Carroll M.

Clifton Forge
Hootman, James A.

Dahlgren
Riffolt, Nils
Stoner, Donald W.
Thompson, Louis

East Falls Church
Castleman, R. A., Jr.

Ettrick
Hunter, J. McN.

Hampden-Sydney
Gilmer, Thomas E.

Hampton
Brevoort, Maurice J.
Coleman, Robert P.
Kaplan, Carl
Seidman, Oscar
von Doenhoff, Albert E.
Warshawsky, I.

Harrisonburg
Normand, Charles E.

Hollins College
Farnsworth, Goldena

Hopewell
Davis, John W.
Fazel, C. S.

Langley Field
Tozier, Robert E.

Leesburg
Lee, Robert H.

Lexington
Helfin, S. M.
Trotter, Herbert, Jr.

Lynchburg
Boggs, N. Isabel
Cleveland, Forrest F.
Kilby, Clinton M.

Richmond
Chappell, R. R.

Sweetbriar
Edwards, Preston H.

University of Richmond
Loving, Robert E.

Williamsburg
Merrymon, W. W.
Young, Roscoe C.

WASHINGTON—27

Lacey
Rozycki, Henry J.

Longview
Soltau, David L.

Cheney
Dahlstrom, R. K.

College Place
Kretschmar, George G.

Pullman
Stephenson, S. Town

Seattle
Abbott, F. R.
Altman, Francis J.
Brakel, Henry L.
Fleming, Gertrude
Henderson, Joseph E.
Kenworthy, Ray W.
Loughridge, Donald W.
Magnusson, C. E.
Osborn, Frederick A.
Prescott, Robert S.
Rose, John E.
Ross, Frederick W.
Rubens, Sidney M.
Sanderman, L. A.
Schuchard, Earl A.
Sieg, L. P.
Taub, A. H.
Uehling, Edwin A.
Utterback, Clinton L.
Williams, E. Allan
Wyckoff, Harold O.

Walla Walla
Parson, L. A.

WEST VIRGINIA—5

Charleston
Roller, P. E.
Forman, Alexander H.
Molby, Fred A.

Morgantown
Colwell, Robert C.

South Charleston
Hosterman, Ralph C.

WISCONSIN—58

Appleton
Davis, Myrl N.
Malmstrom, Homer E.
Millis, John S.
Roehr, Walter W.
Sears, George R.
Van den Akker, J. A.
Whitford, Albert E.
Whitney, Lester V.
Wigner, Eugen P.
Williams, J. W.
Winans, John G.
Yost, F. Lorraine

Baraboo
Rinkob, Severn

La Crosse
Spangler, Ross D.

Madison
Adams, Robert J.
Bennett, Edward
Blazer, Selma H.
Breit, G.
Cram, Winston
Haseltine, William R.
Haworth, L. J.
Herb, Raymond G.
Hollaender, Alexander
Ingersoll, Leonard R.
Kerst, Donald W.
King, L. D. Percival
McKibben, J. L.
Mack, Julian E.
Maxfield, Frederick A.
Norris, R. F.
Payne, J. F.
Plain, Gilbert
Roebuck, John R.
Rollefson, Ragnar
Stebbins, Joel
Stehn, John R.
Steve, William F.
Wahlin, H. B.

Milwaukee
Anderson, Elda E.
Barkow, Arthur G.
Carroll, Joseph F.
Douglas, J. F. H.
Eckels, Charles K.
Friauf, James B.
Martin, Miles J.
Murray, Sister Mary S.
Patterson, Chalmer N.
Rouse, T. A.
Skinner, Charles H.
Stoekle, Erwin R.
Williams, Morgan L.

Oshkosh
Clemans, Earl A.
Duncan, James F.

Ripon
Barber, Harley

Superior
Schrieber, E. H.

Waukesha
Batha, V. P.

West De Pere
De Cleene, L. A. V.

Williams Bay
Moffitt, G. W.

WYOMING—3

Laramie
Bellamy, B. C.
Cinnamon, Carl A.
Hammond, Philo F.

CANADA—50

Archibald, Donald C.
Barnes, H. T.
Boyle, R. W.
Bronson, Howard L.
Burton, E. Franklin
Cartmel, William B.
Chant, Clarence A.
Cohen, Elizabeth
Crawford, M. F.
Davidson, James G.
Dawes, H. Franklin
Demers, Joseph
Durnford, A. W.
Foster, A. Willena
Froman, Darol K.
Gilchrist, Lachlan
Grace, Norman S.
Gray, J. A.
Grayson-Smith, H.
Harkness, Harold W.
Harrington, E. L.
Haurwitz, Eva A.
Hebb, T. C.
Hennings, A. E.
Hepburn, Dugald
Herzberg, G.
Johnstone, John H. L.
Keys, David A.
King, Louis V.
Lang, R. J.
McClung, R. K.
McKellar, Andrew
McLay, A. B.
McTaggart, Henry A.
MacGregor, Donald G.
Mackenzie, A. Stanley
Miller, Andrew H.
Nicholson, P. J.
Nickerson, John L.
Rickwood, Gerald E.
Robertson, Norman Stuart
Rose, D. C.
Ruedy, Richard
Shaw, A. Norman
Shrum, G. M.
Smith, Letha Ann
Stevenson, Arthur F. C.
Stewart, R. Meldrum
Watson, William H.
Young, J. F. T.

ALBANIA—1

Chako, Nicholas Q.

ALASKA—1

Bramhall, Ervin H.

ARGENTINA—1

Gaviola, Enrique

AUSTRALIA—1

Johnson, R. C.

AUSTRIA—4

Benndorf, Hans
Hess, Victor F.
Schrödinger, Erwin
Thirring, Hans

BELGIUM—1

Duwez, Pol E.

CANAL ZONE—1

Swanson, J. Chester

CHINA—16

Bien, Richard P.
Chang, Z. T.
Chao, S. H.
Chen, Shih-Chang
Cheng, Yee Fung
Fung, John T. S.
Hsieh, Y. M.
Hu, Kang-Fuh
Jen, Chih K.
Knipp, A. R.
Ku, Zing Whai
Kwei, C. T.
Lee, John Y.
Li, Ching Hsien
Tu, Yuching
Wu, Violet

DENMARK—2

Bohr, Niels
von Halban, H.

DUTCH EAST INDIES—1

Villars, D. S.

ENGLAND—33

Allibone, T. E.
Blackett, P. M. S.
Blewett, John P.
Bragg, Sir William
Chapman, Sydney
Clews, C. J. Birkett
Cockcroft, J. D.
Coulson, Charles A.
Curry, Ronald
Curtis, William E.
Darwin, Charles G.
Dee, Philip I.
Dobson, Gordon M. B.
Ellis, C. Drummond
Eve, A. S.
Fowler, R. H.
Jones, T. J.
Kinsey, Bernard B.
Lennard-Jones, J. E.
Lowater, Frances
Palmer, L. S.
Pearse, R. W. B.
Penney, W. G.
Price, William C.
Ramsey, Norman F.
Richardson, Owen W.
Roberts, J. K.
Roy, Angus S.
Rutherford, The Lord
Sagane, Ryokichi
Skinner, H. W. B.
Sutherland, G. B. B. M.
Williams, W. Ewart

FRANCE—9

Canac, Francois
de Broglie, Maurice
Dejardin, Georges
du Nouy, Pierre
Parodi, H.
Ricard, R.
Sagui, Cornelio L.
Thovert, Jean-Francois
Tisdale, Wilbur E.

GERMANY—8

Eckstein, Ludwig
Euken, Arnold
Ewald, Peter P.
Finkelnburg, Wolfgang
Planck, Max
von Laue, Max
Weizel, Walter
Wilhelmy, Ernst

HAWAII—3

Ballard, Stanley S.
Eller, Willard H.
Miyake, Iwao

HOLLAND—15

Alingh Prins, J.
Bakker, C. J.
Brinkman, H.
Ittmann, George P.
Kramers, H. A.
Kronig, Ralph deL.
Michels, A.
Milatz, J. M. W.
Prins, J. A.
Ter Horst, Th. J.
Uhlenbeck, George E.
Uyterhoeven, W.
van Cittert, Pieter H.
van der Veen, J. H.
Zanstra, H.

INDIA—3

Benade, J. M.
Raman, C. V.
Smith, Dwight O.

IRELAND—3

Ditchburn, Robert W.
Emeleus, Karl G.
Hackett, Felix E.

ITALY—2

Amaldi, Edoardo
Segrè, Emilio

JAPAN—73

Asada, Tsunesaburo
Asao, S.
Hamada, Shigenori
Hasunuma, Hirosi
Hukusima, Hirosi
Ikeda, Yoshida
Imahori, Hiromi
Imanishi, Sunao

Japan con't.
Imaoka, Yoshio
Issiki, Teizo
Itoh, Junkichi
Kakinuma, Usaku
Kakiuchi, Yoshinobu
Kamogawa, Hirosi
Kagawa, Toyohiko
Kawamura, Hazimu
Kiut., Masazo
Koana, Zyun
Kobayasi, Atusi
Koga, Issac
Kubo, Tosihiko
Kubota, Hiroshi
Matsui, Kuniyasu
Minakawa, Osamu
Miyagawa, Yukihiko
Motida Nobuo
Murakawa Kiyoshi
Nagaoka, Hantaro
Nagase, Masahumi
Nakagawa, Shigeo
Nishi, T.
Nishida, Sotohkio
Nishikawa, Shoji
Nishina, Yoshio
Ogata, Koreiti
Ogura, Kinnosuke
Ohmata, Hidesuke
Ohno, Saizo
Okaya, Tokiharu
Ono, Mituo
Ono, Suminosuke
Oshima, K.
Sakata, Shoichi
Sawada, Masao
Shinohara, Kenichi
Shinomiya, T.
Shirai, Shunji
So, M.
Sogawa, A.
Sugeno, Takesi
Sugita, Motoyosi
Sugimoto, Asao
Sugimoto, Masao
Sugiura, Yoshikatusu
Suzuki, H.
Tachinara, Yoshihiko
Tajime, Ryozo
Takizawa, Susumu
Tamura, Matsuhei
Tamura, Tikawo
Tanaka, Masamachi
Tanaka, Tutomu
Tesima, Takehiko
Togo, Shinji
Tomonaga, Shin-itiro
Tsubota, Hiroshi
Ueno, Sigeo
Uyeda, Ryozi
Yagi, Hidetsugu
Yamada, Hikoji
Yamasaki, Fumio
Yasaki, Tameichi
Yukawa, Hideki

KOREA—1

Toh, S. R.

NORWAY—1

Bjerknes, V.

PERSIA—1

Boots, Paul

PHILIPPINE ISLANDS—2

Depperman, Charles E.
Phillips, Marcella L.

POLAND—4

Kalandyk, S.
Loria, Stanislau
Peczalski, T.
Smoluchowski, Roman

RUSSIA—5

Anjour, H.
Frenkel, J.
Joffe, A.
Kapitza, Peter
Schein, Marcel

SCOTLAND—5

Brook, George B.
Carroll, John A.
Dymond, Edmund G.
Strachan, Charles
Taylor, A. Maurice

SIAM—1

Brata, Luang

SOCIETY ISLANDS—1

Smith, Harrison W.

SOUTH AFRICA—3

Clarke, C. Fred
Naude, S. M.
van der Bijl, H. J.

SWEDEN—5

Benedicks, Carl A. F.
Borelius, C. O. Gudmund
Norinder, Harald
Rudberg, Erik
Siegbahn, Manne

SWITZERLAND—10

Bär, Richard
Frey, Bernhard
Hagenbach, August
Herzog, G.
Sänger, Raymund
Scherrer Paul
Staub, Hans
Stueckelberg, Ernest C. G.
Wehrli, Max
Weigle, Jean J.

SYRIA—2

Bacon, Arthur A.
Brown, J. A.

VENEZUELA—1

Dix, C. H.

WEST AFRICA—1

Bowen, Francis H.